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HEAT TRANSFER TESTING IN THE NSWC
HYPERVELOCITY WIND TUNNEL UTILIZING
CO-AXIAL SURFACE THERMOCOUPLES

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FOREWORD

This publication is a documentation of a wind tunnel test that took place in the Naval Surface Weapons Center's Hypervelocity Wind Tunnel #9 in December 1979. The experimental program was a heat transfer test made at Mach 14 on a sphere-cone body instrumented with co-axial surface thermocouples. This test was the "trial run" for the use of these gages in the hypervelocity wind tunnel.

This publication describes the thermocouples used, together with a description of how heat transfer rates are calculated from the surface temperature measurements. It explains the details of the test set-up, the model configuration, and the data reduction technique. It also gives the final results of this test and states the accuracy and advantages of this method.

Special acknowledgements are extended to the Arnold Engineering Development Center for their assistance in sending reports that described their experiences with the use of co-axial thermocouples in their wind tunnels. The reports helped us to avoid unnecesary problems with the implementation of the technique.

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INTRODUCTION

In the Naval Surface Weapons Center's Hypervelocity Wind Tunnel #9, heat transfer measurements were generally made using Gardon gages (Reference 1). However, the use of co-axial thermocouples to measure heat transfer offers some important advantages:

- 1. Calibration stability
- 2. Sturdy design
- 3. Quick response time
- 4. Ability to be contoured to model surface

Since these surface thermocouples had never been used in Tunnel 9, a shakedown test plan was established to "iron out" any problems associated with the use of these gages. This publication is a documentation of that shakedown test and its results.

WIND TUNNEL FACILITY

The shakedown test was conducted in the Hypervelocity Wind Tunnel #9 from 10-12 December 1979. Tunnel 9 has a five foot diameter test cell that uses nitrogen as the working fluid. For the shakedown test the Mach 14 nozzle was used to expand the nitrogen. The average run time for Tunnel 9 is 1.3 seconds, with uniform flow occurring during the last 0.7 seconds of the run (Fig. 1). During this uniform flow, the model can be pitched through a range of angles of attack. More information about Tunnel 9 can be found in Reference 2.

Gardon, Robert, "An Instrument for the Direct Measurement of Intense Thermal Radiation," The Review of Scientific Instruments, Vol. 24, No. 5, May 1953.

Hill, J. A. F., Wardlaw, A. B., Jr., Pronchick, S. W., and Holmes, J. E., "Verification Tests in the Mach 14 Nozzle of the Hypervelocity Tunnel at NSWC (White Oak)," AIAA Paper 77-150, Jan 1977.

DESCRIPTION OF CO-AXIAL SURFACE THERMOCOUPLE

The model number TCS-101-E thermocouples used in the shakedown test are manufactured by Medtherm Corporation in Huntsville, Alabama. Figure 2(a) shows a picture of a typical thermocouple, and Figure 2(b) shows a cross-sectional view of the sensing probe of the thermocouple. The sensing probe consists of two metals, chromel and constantan; chromel being the outer tube (first thermocouple element) and constantan being the center wire (second thermocouple element). The two elements are insulated except for a vacuum deposited metallic coating which is placed on the end of the probe to form a thermal junction between the chromel and the constantan. Therefore, temperature readings are measured only at the very tip of the sensing probe. Just below the sensing probe is a mounting thread so that the thermal junction can be positioned relative to the surface of the wall (Fig. 2(c)).

Surfaces of models tested in the wind tunnel are often curved. Since any surface discrepancies could cause disturbances in the boundary layer, the thermocouples are contoured to the surface by sanding down the tip of the thermocouple using 180 grit sandpaper. Although this sanding process takes away the plating, a thermal junction is still created by the blending of the two metals.

The average time response for a thermocouple with the vacuum deposited coating is one microsecond. For the "blended metal" thermal junction the average time response is about ten microseconds.

Thermal properties for chromel and constantan are given in Table 1, and thermal properties for the chromel-constantan thermocouple are given in Table 2.

THEORY BEHIND CALCULATING HEAT FLUX FROM SURFACE THERMOCOUPLES

For a one-dimensional heat flux into a homogeneous, semi-infinite solid, the heat flux, $\dot{q}(t)$ can be calculated from the change in surface temperature, T(t), from t=0 by the following equation (References 3 and 4):

$$\dot{q}(t) = K(\pi k)^{-\frac{1}{2}} \left[\frac{T(t)}{t^{\frac{1}{2}}} + \frac{1}{2} \int_{0}^{t} \frac{T(t) - T(\tau)}{(t - \tau)^{3/2}} d\tau \right]$$
 (1)

where τ is the dummy time variable of integration. Since a linear relationship is assumed to exist between the actual thermocouple output voltage, E(t), and temperature, ($\Delta E = \delta \Delta T$), Equation (1) can be rewritten as:

Carslaw, H. S. and Jaeger, J. C., Conduction of Heat in Solids, Second Edition, Oxford, Clarendon Press, 1959.

⁴Vidal, R. J., "Model Instrumentation Techniques for Heat Transfer and Force Measurements in a Hypersonic Shock Tunnel," CAL Report No. AD-917-A-1, Feb 1956, WADC TN 56-315, AD 97238.

$$\dot{q}(t) = K(\pi k)^{-\frac{1}{2}} \delta^{-1} \left[\frac{E(t)}{t^{\frac{1}{2}}} + \frac{1}{2} \int_{0}^{t} \frac{E(t) - E(\tau)}{(t - \tau)^{3/2}} d\tau \right]$$
 (2)

Since the integral in Equation (2) is very difficult to evaluate, a method will be illustrated later in this report (See DATA REDUCTION) for the calculation of $\dot{q}(t)$.

PARAMETERS FOR CREATING A HOMOGENEOUS, SEMI-INFINITE SOLID

Since Equations (1) and (2) are based on the fact that the heat is flowing into a homogeneous, semi-infinite solid, there are three parameters to consider in making a wind tunnel model wall with a thermocouple mounted into it behave as a homogeneous, semi-infinite wall.

The first parameter to consider is the lumped thermal property, $\sqrt{k/\kappa}$, of the chromel, constantan, and the model wall. If this property is relatively the same for all three materials, then the concept of homogeneity is valid. Since $\sqrt{k/K}$ for chromel and constantan is approximately 2.45 ft²-sec²-OF/BTU, then the thermocouple itself is essentially homogeneous. To prevent any radial heat conduction the material that the thermocouple is mounted in (model wall) should also have a $\sqrt{k/K}$ value approximately equal to 2.45.

The second and third parameters are the duration of the actual wind tunnel run and the effective length of the thermocouple sensing probe. If the wind tunnel run is of short duration and the sensing probe is long enough, then the semi-infinite assumption is valid (Reference 5). Since the duration of an average Tunnel 9 run is 1.3 seconds, an appropriate sensing probe length, L, can be selected using the graph shown in Figure 3. Therefore,

$$L(kt)^{-\frac{1}{2}} = 2.6$$
 for 0% error. (3)

For $k = 8.84 \times 10^{-3} \text{ in}^2/\text{sec}$ (constantan) t = 1.3 seconds

then $L \ge .28$ inches.

The appropriate sensing probe length and wall thickness for a model in Tunnel 9 should be greater than .28 inches.

MODEL CONFIGURATION

The model configuration that was tested was a sphere-cone type body. The nosetip had a 1.8" radius and the cone half-angle was 7°. The model was made out of 17-47H Stainless steel. The $\sqrt{k/K}$ for this material is 2.44 ft²sec²-°F/BTU,* which is very close to the $\sqrt{k/K}$ of the chronel-constantan thermocouple.

Brown, H. K., "The Theoretical Response of Heat Transfer Gages Employed in Shock Tubes," AVCO Research Laboratory, Research Note 58, Feb 1958.

^{*}Obtained from Materials Selector 75, Vol. 80, No. 4.

There were two interchangeable conical sections used in the test. The first conical section was referred to as the "thick wall body" because its wall was 3/8" thick (which is thicker than the critical 0.28 inches), and the second conical section was referred to as the "thin wall body" because its wall thickness was only 0.125" thick. Figure 4 shows a sketch of the two configurations.

INSTRUMENTATION

In the nosetip of the model, two co-axial thermocouples were mounted as shown in Figure 5. Thermocouple "I" was mounted directly in the wall; the wall at that point being thicker than 0.28 inches. However, co-axial thermocouple "2" was mounted in the wall inside a 17-4PH stainless steel 0.5" diameter plug that was required to make the wall thicker than 0.28 inches.

In the "thick wall" conical section, three co-axial thermocouples and three Gardon gages were mounted as shown in Figure 6. The three thermocouples were mounted 5.83 inches downstream from the nosetip; one thermocouple on the leeward meridian, one on the 90° meridian, and one on the windward meridian. Each Gardon gage was mounted one inch downstream from the thermocouples; one on each of the meridians.

In the "thin wall" conical section, three co-axial thermocouples and three Gardon gages were also mounted in the same positions as the "thick wall" body, as shown in Figure 6. However, since the wall was only 0.125" thick, the thermocouples were mounted in the wall with plugs that would make the wall 0.375". The plugs had varying diameters to determine a minimum permissible plug diameter.

The Gardon gages used in both the "thick" and "thin" wall bodies were manufactured by Thermogage and had been used in previous wind tunnel tests. Each gage's heat flux sensitivity, C, was calculated using a calibrated lamp as a known heat source. Each gage's time delay constant, τ_G , used in the data reduction equations (see DATA REDUCTION) was then calculated by observing the time it took for each gage to respond to 63.2% of its fullscale output for a step heat input. The Gardon gages were used in this shakedown test as a check to the co-axial thermocouples.

TEST SCHEDULE

The test matrix and run conditions are given in Table 3. The pitch sweeps were set up to compare upsweep (Run 496) with downsweep (Run 498) data, to compare a static angle of attack (Run 497) with the upsweep and downsweep data, and to compare thick and thin wall configurations (Runs 496 and 499).

DATA REDUCTION

As was stated previously, Equation (2) is very difficult to evaluate. For reduction of the raw surface thermocouple output, E(t), into heat flux data, the Dixon Method (Reference 6) was used. The Dixon Method is a two-step procedure

Kendall, D. N. and Dixon W. P., "Heat Transfer Measurements in a Hot Shot Wind Tunnel," presented at the IEEE Aerospace Systems Conference, Seattle, Washington, 11-15 Jul 1966.

that does not require any initial smoothing of the raw thermocouple output. First, the total heat transfer to the surface is calculated using the following equation:

$$Q(t_n) = K(k\pi)^{-\frac{1}{2}} \delta^{-1} \sum_{i=1}^{n} \left[\frac{E(t_{i-1}) + E(t_i)}{(t_n - t_{i-1})^{\frac{1}{2}} + (t_n - t_i)^{\frac{1}{2}}} \right] \Delta t$$
 (4)

where n = 0, 1, 2 ... ($^{t}/\Delta t$ + 1) and where Δt is an equal time increment.

Then, the heat transfer rate is computed by differentiating Q(t):

$$\dot{q}(t) = \frac{dQ(t)}{dt} \tag{5}$$

The expression for differentiating Q(t) is described in Reference 7 and is:

$$\dot{q}(t_n) = \frac{dQ(t_n)}{dt} = \frac{1}{(40)(\Delta t)} \left[-2Q(t_{n-8}) - Q(t_{n-4}) + Q(t_{n+4}) + 2Q(t_{n+8}) \right]$$
 (6)

A sample voltage was recorded just prior to the wind tunnel run. This sample voltage was then subtracted from all subsequent voltage readings. Therefore, at $t_0 = 0$, $E(t_0) = 0$ which imples that $q(t_0) = 0$.

For the reduction of the Gardon gage output, E(t), the raw data was first smoothed, reversed, and smoothed again using a sixth order Butterworth digital filter set at a cutoff frequency of 5Hz. Heat transfer rates were than calculated using the following standard Tunnel 9 equation:

$$\dot{q}(t) = C \left[E(t) + \tau_G \frac{dE(t)}{dt} \right]$$

$$c = calibrated gage sensitivity \left(\frac{\dot{q}}{E(t)} \right)$$
(7)

where

 τ_{c} = calibrated time delay constant

The term $\frac{dE(t)}{dt}$ is calculated by the method given in Reference 7.

$$\frac{dE(t_n)}{dt} = \frac{1}{(40)(\Delta t)} \left[-2E(t_{n-8}) - E(t_{n-4}) + E(t_{n+4}) + 2E(t_{n+8}) \right]$$
(8)

where n = 0, 1, 2 ... $(^{t}/\Delta t + 1)$

⁷Ehrich, Fredric F., "Differentation of Experimental Data Using Least Squares Fitting," <u>Journal of the Aeronautical Sciences</u>, Vol. 22, No. 2, Feb 1955.

Equation (7) is only valid if at $t_0 = 0$, $\dot{q}(t_0) = 0$. Therefore, a sample of data was recorded just prior to each wind tunnel run, and this sample voltage was then subtracted from all subsequent voltages so that at $t_0 = 0$, $E(t_0) = 0$ implying that $\dot{q}(t_0) = 0$.

From the heat transfer rates calculated from the co-axial thermocouple and Gardon gage readings, Stanton numbers were calculated by the following equation:

$$ST = \dot{q} \left[\rho_{\infty} U_{\infty} C_{p} (T_{01} - T_{w}) \right]^{-1}$$

$$(9)$$

where

q = calculated heat transfer rate (BTU/ft²-sec)

 ρ_{∞} = free stream density (lbm/ft³)

 U_{∞} = free stream velocity (ft/sec)

 $C_{\rm p}$ = heat capacity for nitrogen = 0.2481 $^{\rm BTU}/1$ bm - $^{\rm o}$ F

 T_{01} = equivalent ideal gas supply temperature (${}^{o}F$) (calculated from T_{o} and tables in Reference 8)

 T_{w} = measured wall temperature $({}^{O}F)^{*}$

The free stream properties are calculated from a pitot tube measurement in the flow and a supply pressure, P_0 , measurement.

RESULTS

Table 4 is a listing of the data obtained from the shakedown test. It should be noted that T5 went bad on Run 499, and G3 went bad on Run 498. The listing only shows data during the "uniform flow" portion of each run. Figures 7 through 14 show plotted data of Stanton number vs. angle of attack for all four runs. Heat transfer calculations made by the G.E. 3-D Viscous Code (Reference 9) are also shown on these figures.

Cullotta, S. and Richards, B. E., "Methods for Determining Conditions in Real Nitrogen Expanding Flows," VKI-TN-58, Feb 1970.

^{*}For Gardon gage data the nearest co-axial thermocouple temperature reading was used as the t. value.

Hecht, A. M., Nestler, D. E., and Richbourg, D. H., "Application of a Three-Dimensional Viscous Computer Code to Reentry Vehicle Design," AIAA Paper 79-0306, Jan 1979.

ACCURACY

Comparisons will be made with respect to the repeatability of the upsweep (Run 496) and downsweep (Run 498) data; the repeatability of the upsweep (Run 496), downsweep (Run 498), and static angle (Run 497) data; and the repeatability of the "thick wall" configuration (Run 496) and the "thin wall" configuration (Run 499) data. A comparison will also be made between the calculations of the G.E. 3-D Viscous Code (Reference 9) and the data for Runs 496, 498, and 499. It should be noted that the following tunnel properties have the following previously observed accuracies:

Supply pressure, $P_0 - \pm .4\%$

Supply temperature, $T_0 = -1.7\%$ to +.5%

Pitot measurement - +.3%

Free stream Mach number, $M_{\infty} - \pm .4\%$

Free stream pressure, $P_{\infty} - \pm 2.8\%$

Free stream unit Reynolds number, $Re_{\infty}/ft - -1.4\%$ to +2.8%

The angle of attack measurements are accurate to within 0.1° for Run 496 and to within 0.3° for Runs 497 through 499.

The Dixon method calculates heat transfer rates to within an accuracy of less than 1%. As for the Gardon gages, the gage sensitivities and the time delay constants are accurate to +5%.

Comparison of Upsweep vs. Downsweep Data. Table 5 lists the accuracies for the repeatability of the Stanton number data for Run 496 (upsweep) vs. Run 498 (downsweep) for each gage at 5 angles of attack. The repeatability for the two runs shows an average percentage difference of about 7.8%.

Comparison of Upsweep-Downsweep vs. Static Angle Data. Table 6 lists the accuracies for the repeatability of the Stanton number data for Run 496 (upsweep) vs. Run 497 (static angle) and Run 498 (downsweep) vs. Run 497 (static angle) for each gage at an angle of attack of 10°. The repeatability between the dynamic and static data has an average difference of about 4.1%.

Comparison of "Thick Wall" vs. "Thin Wall" Data. Table 7 lists the accuracies for the repeatability of the Stanton number data for Run 496 (thick wall) vs. Run 499 (thin wall) for each gage at five angles of attack. G2 is not listed because it was slightly recessed in the model wall and was, therefore, measuring lower heating rates. T3, T4, and T5 were mounted in plugs of 3/4", 1/2", and 1/4" diameters, respectively. Each plug made the wall thickness 3/8". Since T3 went bad, the results are inconclusive as to the minimum diameter plug that can be used so that the wall will be semi-infinite in the radial direction. A plug may

See footnote 9 on page 10.

not be needed as long as the sensor length is greater than 0.28 inch. However, T2 was mounted in a 1/2" diameter plug and its repeatability difference throughout the test was about 6.5%. Therefore, a configuration of a 1/2" diameter plug and thermocouple is a possible working configuration.

Comparison of Runs 496, 498, and 499 vs. the G.E. 3-D Viscous Code. Table 8 lists the accuracies for agreement of the Stanton number data between Runs 496, 498, and 499, and the GE 3-D Viscous Code (Reference 9) for each gage at 0 and 5 angle of attack. The average difference in agreement with the code is about 8.8%, with the code's calculation of the leeward heating contributing to most of the error.

CONCLUSIONS

In comparing the surface thermocouple method of measuring heat transfer to the use of Gardon gages in Tunnel 9, the thermocouples have distinct advantages:

- 1. Gardon gages require a calibration, whereas the thermocouples have an inherent bi-metallic calibration.
- 2. Gardon gages have a slow response time (on the order of 50 msec) that must be rectified in the data reduction procedure to acquire accurate timewise data, whereas the thermocouples have an almost "instantaneous" response time (about $10~\mu sec$).
- 3. Gardon gages have a delicate, thin skin that can be broken by the flow (e.g., G3 on Run 498), whereas thermocouples are a solid piece of metal that cannot be disturbed by the flow.
- 4. Gardon gages cannot be contoured to the model surface, e.g., G2 was slightly recessed in the model wall causing it to measure a lower heating rate, whereas the thermocouples can be contoured exactly to the model surface.

An estimate of the accuracy of heat transfer rates by the thermocouples is $\pm 6\%$. This is slightly better than the 7% accuracy that has been observed for Gardon gages in Tunnel 9. In light of this accuracy along with the advantages over the Gardon gages, the co-axial thermocouples proved to be a viable method for measuring aerodynamic heating during pitch sweeps in Tunnel 9.

See footnote 9 on page 10.

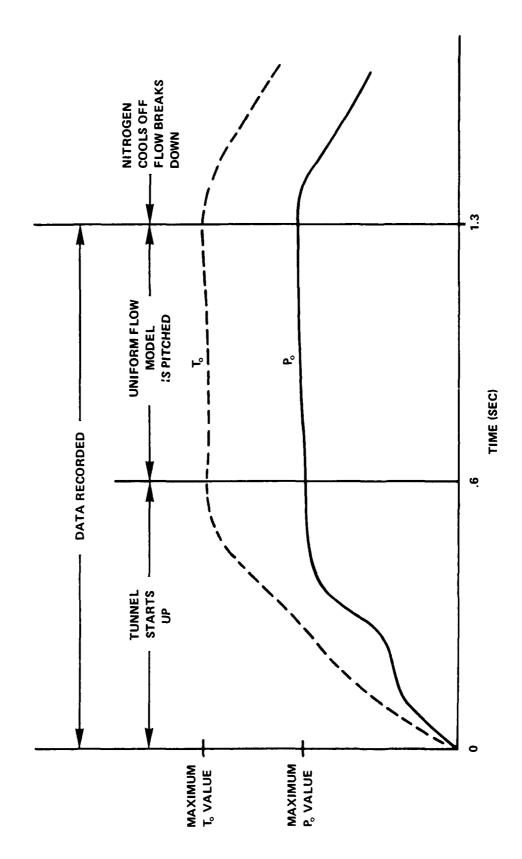
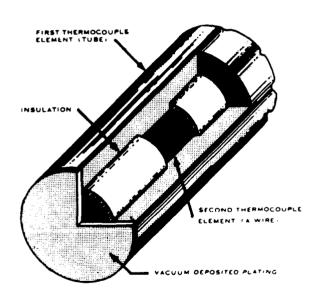
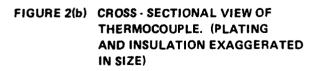


FIGURE 1 TIME SEQUENCE OF EVENTS FOR TUNNEL 9



FIGURE 2(a) A TYPICAL TCS MODEL THERMOCOUPLE





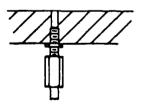
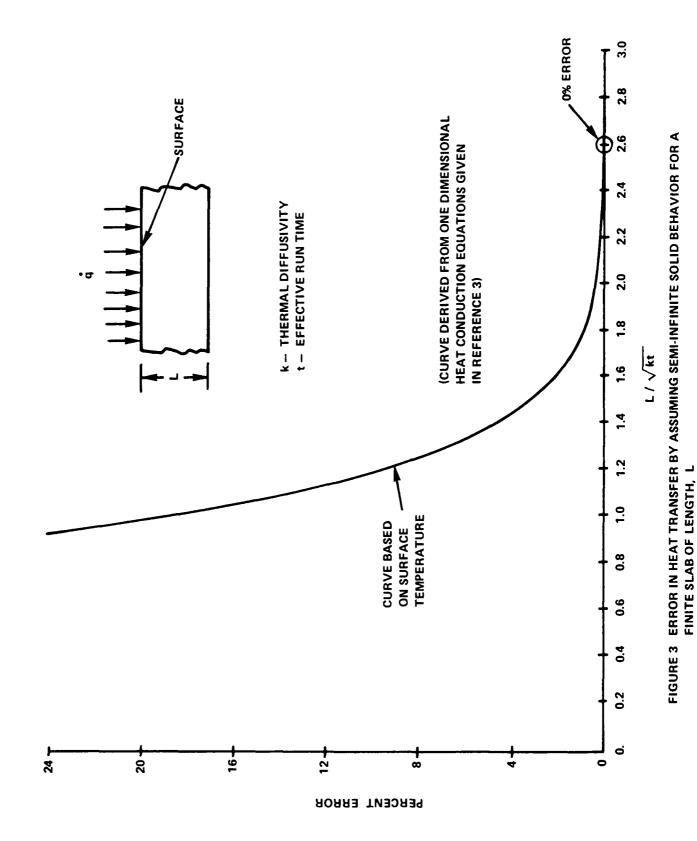
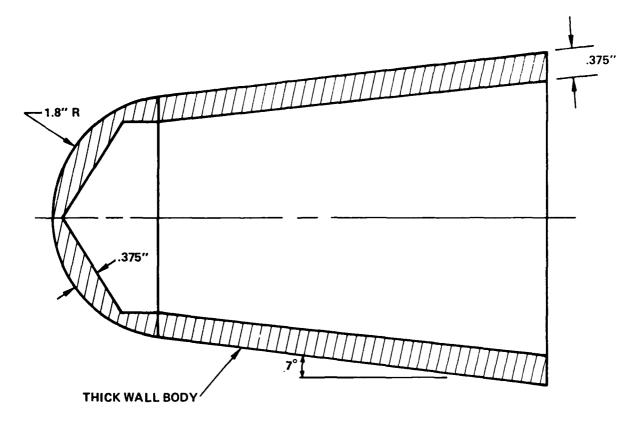


FIGURE 2(c) THERMOCOUPLE
PROBE MOUNTED
IN MODEL WALL





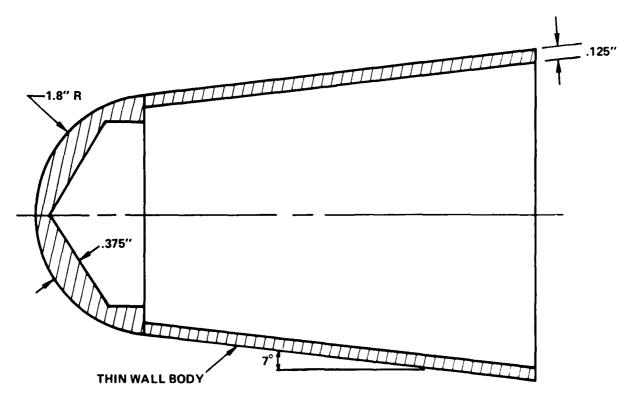
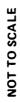
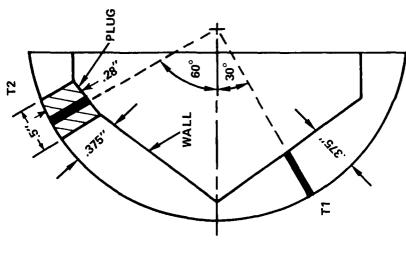


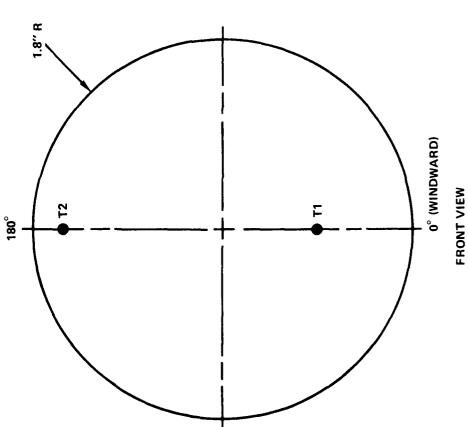
FIGURE 4 MODEL CONFIGURATIONS



SIDE VIEW







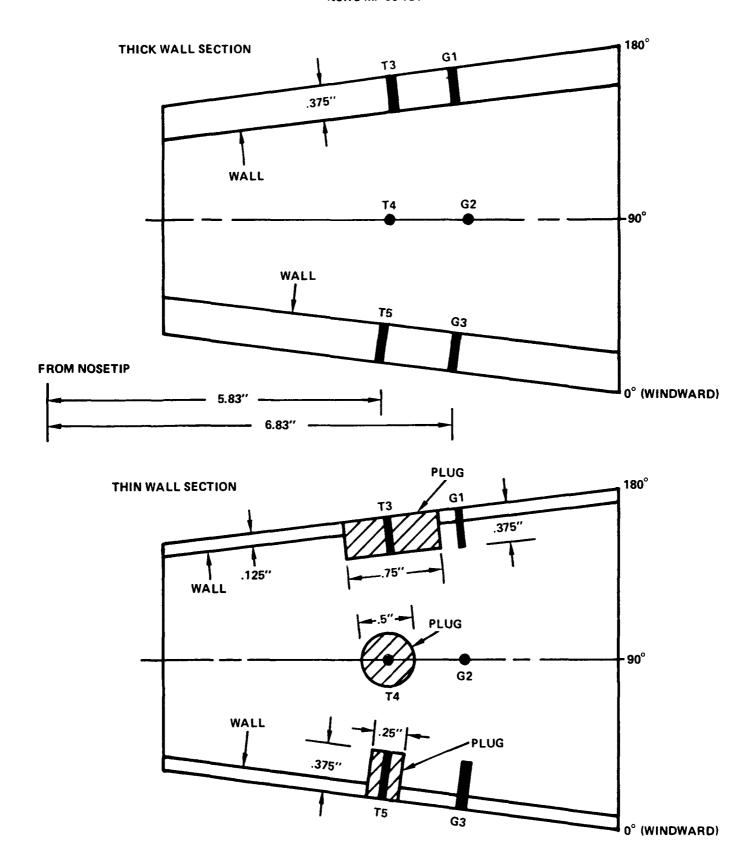


FIGURE 6 CONICAL SECTION INSTRUMENTATION (NOT TO SCALE)

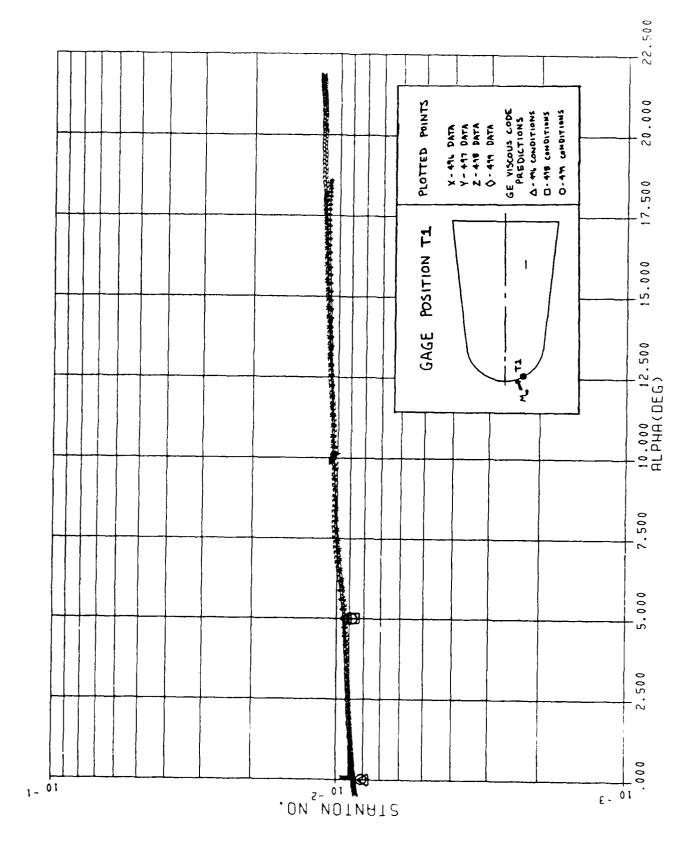


FIGURE 7 STANTON NUMBER VS. ANGLE OF ATTACK FOR ALL 4 RUNS (T1)

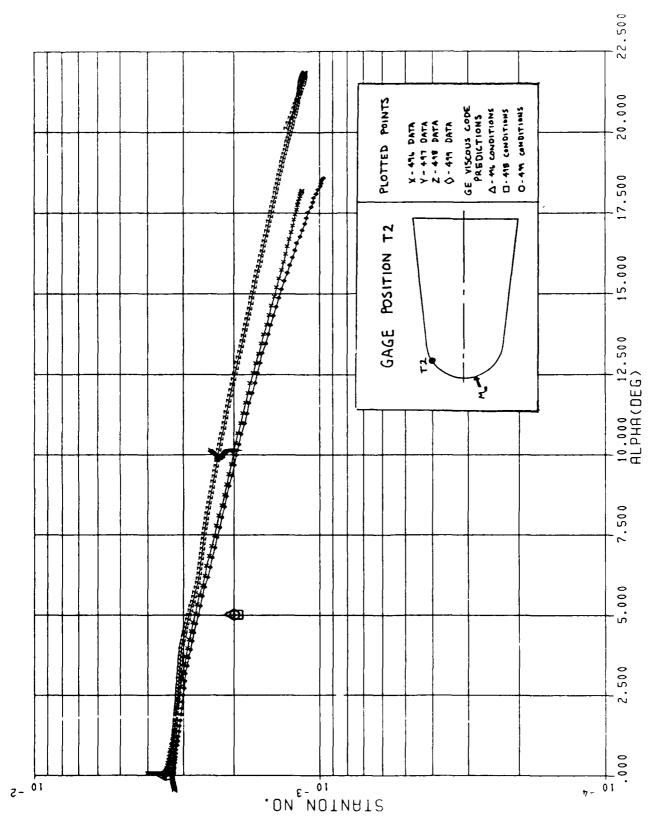
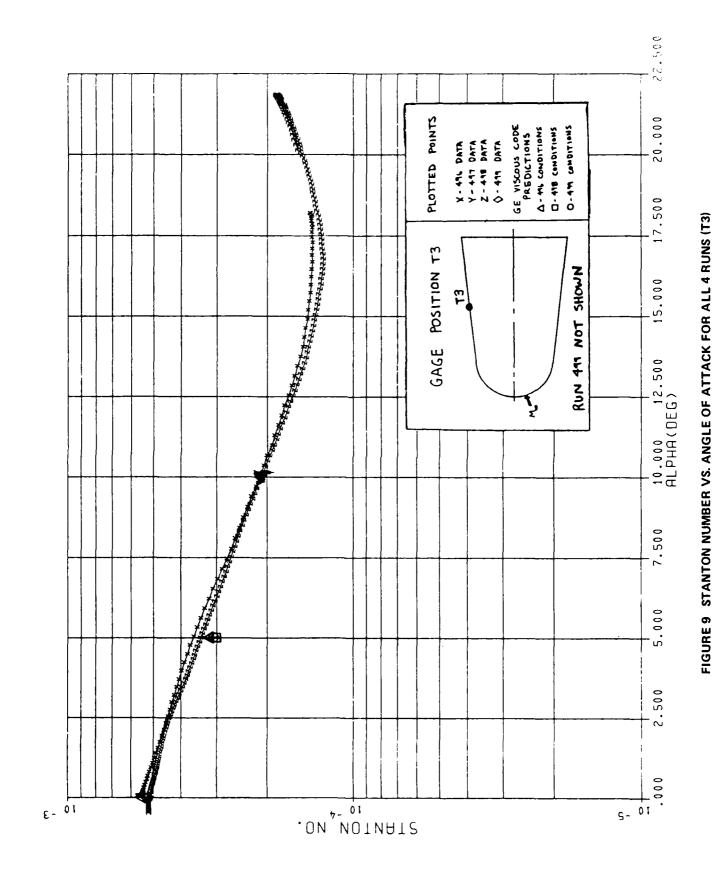


FIGURE 8 STANTON NUMBER VS. ANGLE OF ATTACK FOR ALL 4 RUNS (T2)



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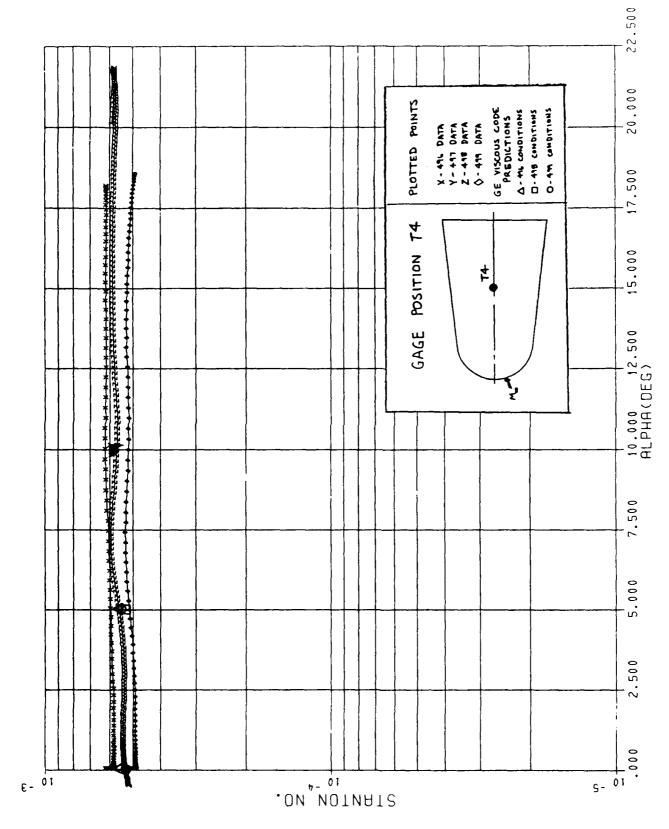


FIGURE 10 STANTON NUMBER VS. ANGLE OF ATTACK FOR ALL 4 RUNS (T4)

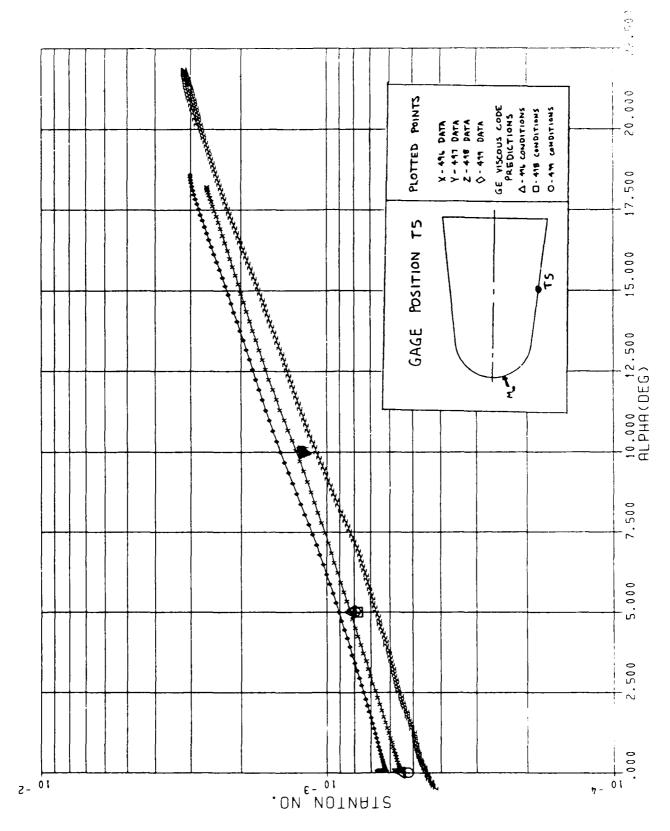


FIGURE 11 STANTON NUMBER VS. ANGLE OF ATTACK FOR ALL 4 RUNS (T5)

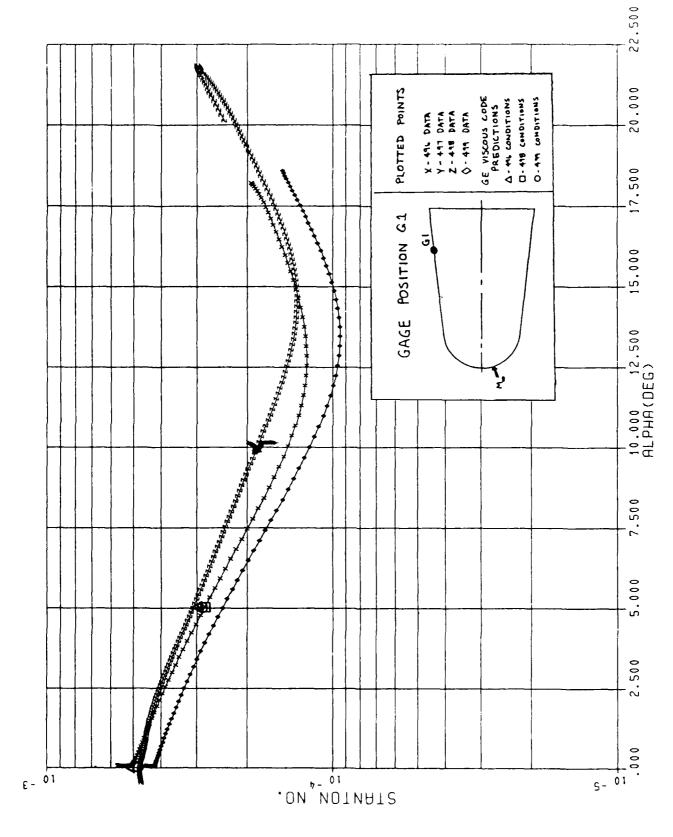
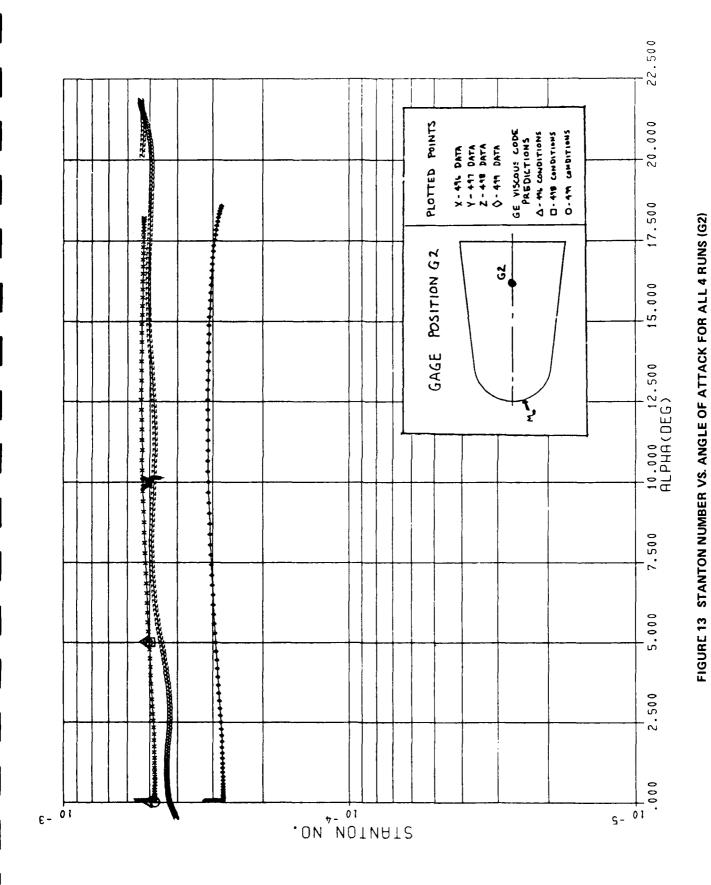
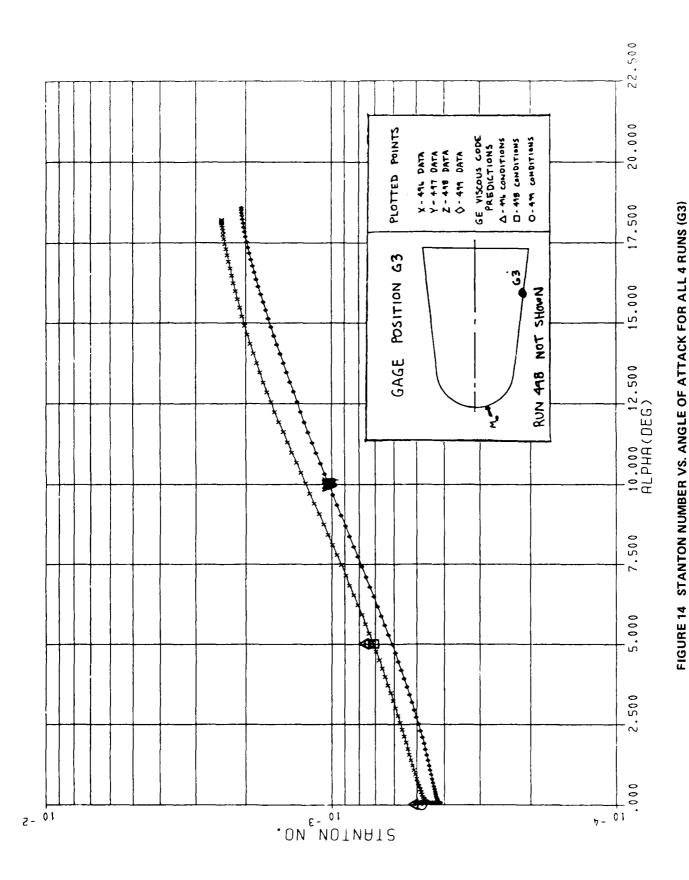


FIGURE 12 STANTON NUMBER VS. ANGLE OF ATTACK FOR ALL 4 RUNS (G1)



25



26

TABLE 1 THERMAL PROPERTIES OF CHROMEL * AND CONSTANTAN **

	Thermal Property	Chromel	Constantan
1.	Thermal Conductivity K (BTU/in-sec-OF) @ 75OF	.242 x 10 ⁻³	.267 x 10 ⁻³
2.	Specific Heat C _p (BTU/lb- ^O F) @ 68 ^O F	.107	.094
3.	Density β (1b/in ³)	.315	. 322
4.	Thermal Diffusivity k (in 2/sec)	7.18 X 10 ⁻³	8.84 x 10 ⁻³
5.	Melting Point (°F)	2600	2210

Properties given by the Hoskins Manufacturing Company, Detroit, Michigan 48208

^{**} Properties given by the Thermo-Electric Company, Inc., Saddle Brook, New Jersey 07662

TABLE 2 THERMAL PROPERTIES OF CHROMEL-CONSTAN	TAN THERMOCOUPLE*
Thermal Property	Value
1. Lumped Thermal Property	
$\sqrt{k/K}$ (ft ² -sec ^{1/2} -oF/BTU)	2.45
2. Thermoelectric Sensitivity **	
δ (μv/ ^o F)	34.5
3. Heat Flux Sensitivity	
$E(t)/\sqrt{t/\dot{q}} \left(\frac{mv/sec^2}{BTU/ft^2 - sec} \right)$.096
* Theoretical values	

	TA	BLE 3 TES	ST SCHEDULE	AND RUN	CONDITIONS	
Run No.	Model Configuration	Average Mach No.	Average P _o (psia)	Average T _O (o _F)	Average Re _∞ /ft	Angle of Attack Pitch Sweep dur- ing Uniform Flow
496	"Thick Wall" Body	14.01	19604	2913	3.44 X 10 ⁶	0° for .4sec then a pitch from 0° to 18°
497	"Thick Wall" Body	13.82	19538	2867	3.73 X 10 ⁶	≈10° constant
498	"Thick Wall" Body	13.85	19782	2802	3.92 X 10 ⁶	Pitch from 19° to 22° to 0°
499	"Thin Wall" Body	13.97	20741	2872	3.85 X 10 ⁶	Same as 496

**
Value obtained from National Bureau of Standards Circular #561 for a chromelconstantan thermocouple

		WE.INF	3.89 <e+06< th=""><th>3.00 /E 00</th><th>3.818E+06</th><th>3.795E+06</th><th>٠</th><th>3.7545+06</th><th>3.7.4E.05</th><th>3.704E+06</th><th>3.641E+06</th><th>3.680E+06</th><th>3.6715.06</th><th>3.654E+06</th><th>3.655E+06</th><th>3.653E+06</th><th>.650E</th><th>36.40</th><th>3.04/E+U6</th><th>3.04.3E+40</th><th>3.64 UE + 06</th><th>3.637E+06</th><th>3.632E+06</th><th>3.627E+06</th><th>3.071E+00</th><th>3.606E+06</th><th>3.599E+0b</th><th>3.591E+06</th><th>3.5A3E+06</th><th>3.576E+06</th><th>3.5638+06</th><th>3.558E+06</th><th>3.554E+06</th><th>3.550£+06</th><th>3.546E+06</th><th>3.546£ +00</th><th>3.546E+06</th><th>3.547E+66</th><th>3.548E+06</th><th>3.5526+06</th><th>3.554E+06</th><th>3.555£+06</th><th>3.556E+06</th><th>3.3775+00</th><th>3.557E+0n</th><th>.556E</th><th>3.555E+06</th><th>3.5531.+06</th><th>3.550£.06</th><th>3.630E+06</th></e+06<>	3.00 /E 00	3.818E+06	3.795E+06	٠	3.7545+06	3.7.4E.05	3.704E+06	3.641E+06	3.680E+06	3.6715.06	3.654E+06	3.655E+06	3.653E+06	.650E	36.40	3.04/E+U6	3.04.3E+40	3.64 UE + 06	3.637E+06	3.632E+06	3.627E+06	3.071E+00	3.606E+06	3.599E+0b	3.591E+06	3.5A3E+06	3.576E+06	3.5638+06	3.558E+06	3.554E+06	3.550£+06	3.546E+06	3.546£ +00	3.546E+06	3.547E+66	3.548E+06	3.5526+06	3.554E+06	3.555£+06	3.556E+06	3.3775+00	3.557E+0n	.556E	3.555E+06	3.5531.+06	3.550£.06	3.630E+06
	16/79	RHO I WE	1.3456-13	1.3375-03	324€	Ť	1.3136-03	1.3095-03	302F-0	300E-0	1.2981-03	1.297E-03	0.40th	7	1.2956-03	÷	9	296F-U	1.7465-03	2965-0	خ	9	N:	293E-0	1.291E-03	1.290F-03	ZUBE	7	1.286F-03	285E-0	1.284F-03	284E	284E-0	285E-0	1.2871-03	9	1.290t-03	291E	793E-0	7.7	299E-0	٩	302F-0	1.304E-03	2	306E-0	0	1.307E-03	1.3065-03	1.299E-03
	87/21/51-81/01/51	NINE	6591.1	7.000	602200	1.44.09	4650.4	6663.5	50H7.	4.7699	67070	(673.6	6734.3	6738.4	6741.4	4	6747.0	6751.6	6754.1	6756.9	5.0919	0.4010	6768.3	6774.5	67.84.3	6790.3	6146.5	6602.8	0.4089	6621.1	6826.6	6.1689	6836.7	6845.1	6846.7	6651.9	6854.9	0857.00	1.0000	6064.1	6.9989	6869.1	4.17.4	7.00	6878°B	6681.6	6684.5	6687.6	6778.1
	12,	i IF	e7.1	2	47.9	84.2	86.5	r r	6.60	0.06	90.3	9.05	2.0	4.1.3	41.4	41.6	41.7	4. C	6 1 7	0.25	92.1	92.2	92.3	4.50	0 0 0	- 5° - 7°	93.1	93.3	4.5	7.50	0.45	4.47	94.6	10 c	9.00	95.3	95.5	95.7	0.00	96.1	96.2	6.96	4.00	200	2000	76.0	97.0	97.1	5.16	92.9
DATA LISTING	SHAKELOWN TEST	PINF	0.40°	7440	9440	0440	9**0	0440	200	9440.	***0.	0040	2040	6240.	.0454	.0455	9426	0456	7440	0457	.0456	.0458	.0458	¥0.40	0140	0440	040.	.0461	.0461	20402	0 40	.0405	.0466	1940.	0470	1740.	27.00	4/40.	0470	0.40	57.40	1940.	.0482	6440	6485	.0405	9840.	0486	1840.	.0463
FABLE 4 DATA		HACH	14.16	14.17	7	14.18	14.18	14.17	14.17	116	14.16	14.15	14.10	14.14	14.13	14.13	14.13	14.12	14.12	14.12	14.12	14.12	14.12	14.12	14.12	14.12	14.11	14.11	14.11	01.41	14.10	14.09	14.09	14.08	14.07	14.07	14.06	14.06	14.00	40.4	14.04	14.03	14.03	000	14.02	14.02	14.02	10.4	10.4	14.1
TAB	AL THERMOCOUPLE	101	3121.6	3145.4	3159.2	3173.0	3187.0	3700.8	3227.1	3238.9	3249.5	3254.4	3273.4	3279.6	3284.6	3280.0	3291.1	3293.8	3258.4	3301.8	3304.4	3308.6	3312.6	331/•/	3324.1	3335.5	3342.3	3349.3	3356.4	3363.4	3377.0	3383.4	3389.3	33,44	3404.4	3408.6	3412.3	3415.7	34.10.7	3424.5	3427.1	3429.6	3432.2	3437 5	3440.4		•	5.0448	3453.4	3329.3
	CU-AXIAL	10	2604.1	2673.4	2633.9	2044.9	2656.0	2667.1	2007.9	2647.3	2705.7	2713.2	2725	2729.6	2733.3	2730.2	2734.7	2740.8	2744.8	2747.0	2749.4	2752.3	2755.6	2763	2768.2	2773.2	2778.5	2784.0	2789.6	21,95.1	2802°	2810.8	2815.4	7.6192	2627.1	2830.3	2833.2	2835.8	2840.3	2642.3	2644.3	2040.2	2848.1	2852	2854.2	55	2658.9	0	7.4007	2768.0
	H 1333	04	14464.5	18514.9		:	18606.9	18631.0	18696.7	18721.9	18744.1	18763.1	1.707.01	18803.7	5	æ.	18830.3	18836.7	18657.7	18868.7	18881.4	18895.2	18910-2	18926.4	18961-0	18978.9	18997.0	19015.0	19032.6	19049.8	19062.8	19098.0	19114.0	19159.1	19156.6	19173.6	19148.4	19203.4	19233.7	6.24261	19264.1	19279.1	19293.8	7.00561	19335.8	349	19361.7	19374.2	380	18975.2
	496 MTH	ALPHA	60.	90	90.	•0•	• 0 •	5 6	•	•0•	• 04	\$0.	٠ .		•0•	• 0 •	• •	÷,		000	. O.	• 0 •	ý.	90	. 0		· 0 ·	٠٥٠	60.	¥ 0		• 0 •	40.	÷ •	 	• 0 •	• 0÷	ç,		90.	.04	• 0.4	40.0	40	\$ 0	.0.	•00	6		
	S+ Nila	1 1 M	d		.453	.457	197.		474	47 H	₹B.	484	0 0	564	.,03	¥0.4	= ;	v .	424	, . , .	£ 3.	٠ ج ا	ر ا ا	445		557	19.	٠ د	30 F	4 1		. F.B.	36.4	4 0	£04.	, no.		۲. c	2 6	12	, k32	٨٤٠.	C 4 4	1 4	559	. 57	.661	.565	200.	AVERAGE

	15 001	2,40%	3. H&2	3, 164		5. 4. B	3.022	3.446	3.463	7000	0.00	200.4	4.021	4.034	4.035	4.024	250.4		715.4	E 1 5 5	4.014	4.024	4.033	4.	40.4	1 1	4.07	10.7	160.4	4.10	, , , ,	221 **			150	r, .	101	201.4	4.176	ī.	4.177	1 E		• · · · · · · · · · · · · · · · · · · ·	107.	4 TO 1	7 7 7 7	4.633	1
	T5 TW	74.07	74.11	74.18	74.20	74.34	74.41	74.49	74.52	,	10.47	74.83	74.85	74.93	74.99	75.00	75.07	75.21	75.24	75.67	75.34	15.40	75.43	75.45	74.04	77,50	75.68	75.72	75.81	75.85	75.88	7, 4, 4	70.03	76.09	76.16	02.47	77.77	74.33	70.40	76.43	74.45	74.47	25.	09.97	16.62	7. 7.	71.17	70.A1	15.40
	T4 000T	4.092	4.106	4.173	4 1 4 4	4 1 45	4.203	4.210	4.623	4.632	4.040	4.63.4	4.241	4.645	4.238	4.216	112.4	4.211	4 1 95	4.148	4.195	4.208	4.216	4.226	922	4.253	4.7.4	4.263	4.276	4.245	867.4	5600	4.8.4	4.318	4.300	4.331	() 4 () 4	1.5.4	4.350	4.346	4.375	4.345	555.4	704.4	1/4.4	7 7 4 4		4.4.1	4
	14 T	74.67	74.33	74.47	74.5	74.60	74.07	74.7.	- 2 - 2	12.47	7.4.7	75.14	75.14	15.21	75.25	75.5	ري• در ري• در	75.45	75.51	75.5	15.61	75.6"	75.7	15.14	0.1	75.44	15.97	76.03	76.0-	76.14	76.1	75.04	70.34	76.3	76.4	en : 0 / 2	70.07	76.67	70.1.	76.7	76.17	16.84	10.0	10.74		77.00	/1.1/	77.1	17.6
	T3 000T	3.790	3.796	3.814	3.827	3.829	3.834	3.839	3.84/	3.850	3.844	3.850	3.853	3.853	3.857	3.859	3.000	2.8.5	3.686	3.884	106.5	3.921	3.946	¥64.6	105.5	4.005	4.011	*	4.040	4.045	090.4	4.000	0.0 t	4.0.4	170.4	70.		111	.,118	4.131	4.146	4.154	4.153	• 190	7. 1 • 4	77.4	1 4 V	102.4	4.224
2/12/79	T3 TW	73.96	74.02	74.10	74.77	74.67	74.36	74.42	44.4	74.50	44.4	74.08	74.71	74.78	74.85	14.81	77.46	40.47	75.07	75.12	75.18	75.25	75.29	75.36	70.64	75.40	75.56	75.00	75.72	75.73	75.75	72.67	12.40	75.94	75.03	0.00	01-07	76.21	75.07	76.30	70.31	10.38	70.45	0 : 1	70.56	2000	75.6H	14.71	11.79
2/10/19-12/12/19	12 4001	26.541	26.525	20.512	70.443	26.443	26.460	20.420	26.419	200.30	24.44	50.05	20.243	26.649	20.415	26.125	20.170	307	26.091	26.054	20.068	26.118	26.123	20.164	20.131	20.623	20.623	26.450	26.646	26.322	20.301	26.475	20.379	20.404	70.440	- C - C - C - C - C - C - C - C - C - C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	76.456	26.506	26.565	20.521	26.508	70.547	0.0HG	70.075	20.079	70.07	20.05	20.139
TEST	TC T#	79.04	40.44	54.43	70.00	100.00	100.46	101.38	101.73	10501	- N - N - N - N - N - N - N - N - N - N	103.15	103.43	103.72	104.00	104.35	100	107.77	100.03	105.48	100.12	100.4H	100.76	107-11	04.70	100.03	100.24	108.53	108.88	107.24	70.40	10.01	110.37	110.72	110.43	111.00	111.00	112.00	116.61	116.56	116.74	113.13	113.41	70.611	17.011	1 1 4 1 1	114.75	115.04	د ^{ار} ۱۱۵۰ دا ۱
SHANFOORN	11 0001	60.416	60. ×34	60° P74	01.10	62.17	62.688	*01, 29	55.332	03.140	() () () () () () () () () ()	554.50	63,455	63.662	63.441	080.29	64.138	201.70	26H.19	61.738	61.40c	64.176	62,336	56.4.3	404	171.79	607.29	460.29	63.091	63.186	104.50	44.00	63.403	63.64	64.74	271.00	707.	167.50	1450	94.000	04 . 40	04.1/4	04.133	10:00	01: 40	54.104	D4. L7.	54.716	94.01
THEHMUCOUPLE S	T1 TW	135.38	136.23	137.22	130.07	140.05	140.76	141.75	146.74	145.04	149-11	140.97	148.68	149.25	149.67	85.001	151.40	44.741	153.35	154.06	154.91	155.62	156.33	10/103	101.00	159.10	15% 46	160.57	161.99	162.55	163.12	6.44	165.24	166.09	166.40	00.101	1000	104.44	170.05	170.40	171.47	172.18	173.03	113.39	01.4.1	7.5.7	176.28	176.99	111.10
1 A L	63 0001	3.405	3,345	3.385	0.00	3.350	3.337	3,323	400°	0. n. n. e.	3.271	3.260	3.250	3.241	3.234	3.628	00000	3.419	3.219	3.220	3.223	3.228	3.233	3.640	3.04.	3.665	3.275	3.286	3.297	3.30H	4.41.4 2.41.4	745.6	3.353	3.363	3.374	000	7	3.410	3.418	3.445	3.431	1.437	744.5	7 7 7	104.5	 	· 3*		3.465
CO-AX	62 QUOT	3.741	3.734	3.724	3.000	3.063	3.666	3.644	3.631	3,401.5	3.57×	3,562	3.546	3.531	1.517	50C.	4.44	1.477	3.47%	3.467	3.465	3.454	3.465	104.5	-	THE STATE OF	1.4.5	3.500	₹05.₹	025.	2.00 c	1,1,1	1.567	4.574	165.	100	7.674	4.034	1.04:	1.01	7.064	1.011	 	\ ;	7041	3.703	1.113	4.715	3.114
WTH 1333	61 000T	3.794	3.787	3.177	3.752	3.734	3.723	3.707	3.691	2,610	3.646	3.631	3.614	3.607	3.547	3.584 5.50 5.50	3.574	3.576	3.575	3.576	3.574	3.583	3.594 0.594	160.5	3.000	3.640	3.640	3.654	3.664	3.683	2°043	3.7.4	3.744	3.754	3.774		7 - 1	3.2.5	3.843	3.854	3.455	3.475	, , ,	7	105.5	3.914	3.920	3.725	3.564
4.46	ALPHA	99	•0•	90.	9 9	80.	• 0	9	9 6	9 5	90	90.	90.	90.	9	9	9 6	90	90.	• 0 •	•0•	90.	99	9 4	9 9	90.	90.	• 00	90.	90.	2 5	9 9	• 00	90.	9 :		9 9	90.	• 00	• 00	٠٥٥	90.	0 :		9 5	9 9	90.	•00	90.
ž	11ME	. 4	744		(94	465	0.4.	474	Z 7	184	 	16.4	567.	F. 0.3	6	- :		124	45r	√8~•	464.	. 540	44.	4 4	. 68.	10,1	1.6	9 (+1·	I .	Y 1	. j	51	161.	0		<u>.</u>	, -	. 23	٠, ک	٠. ب	4, 4	9 4		· ·	, 57	.46.	.464	101.

TIME AL	ALPFA	2	2	[0]	Į	Ž	<u>ا</u>	= NE	12 CLX	Ž
	40.	19394.1	2067.1	3457.6	14.61	1040.	97.3	7.0580	1.3065-03	3.547E+06
. 777	5.	19411.8	2870.0	3461.1	14.01	0040.	4.76	6844.3	1.306F-03	3.543E+06
	٠,	19425.0	2873.2	3465.1	14.61	0400	47.5	£.7400	1.3051-03	3.539E+06
	• C+	19434.0	287n.4	3464.3	14.01	2040.	21.6	6.1049	1.304F-03	3.535E+06
	•0•	19454.0	2674.7	3473.b	14.01	V840.	97.8	6405.3	1.3046-03	3.5316+06
	٠٥٠	19470.0	2883.0	3476.0	14.01	VB40.	47.9	6707.1	1.3036-03	ď.
	• 0÷	19487.4	2886.4	3486.	14.01	V 840.	3 · 1 · 5	6413.0	1.302F-03	3.523E+06
705	٠٥٠	19506.0	2889.7	3440.4	10.41	27.40.	1 ° 2 6	6710.7	1.3025-03	3.519E+06
	٠٥٠	19526.0	2693.0	3491.3	10.41	0440	N . X	1.0260	1.301F-03	3.516E+06
	٠ •	201001	2896.3	3495.0	10.41	77.0	F) 4	4.4240	1.301E-03	3.5135.00
	5	19009.0	******	0.644.0	00.41	7.5	* 1	7.07.60	1.3005-03	3.5105.00
	٠ •	0.24641	2000	3503.4	00.41	76.0	0.00	1010	1.300E-03	3.3035.0
		2.01041	2003	35.11.2	00.41	2640	C 1	1.05.40	50-1005 T	300000
131		19640	2010	7 4146		7.10		6.05.40	1 300E 103	20042400
		19684	2012	3417	70.41	7740	. a	0 1110	1.300E-03	3.5005E+00
		19704.4	2414.7	35.00	70.4	1 4 6		7.404	1 3015-03	0000000 00000000 000000000
	404	19724.0	2914.6	3523.4	[0 . 4]	1	, ,	X 4 3 4	1.3015-03	4.502F+06
	9	19747.9	2418	3575.0	00.4	7	,	3.0539	1.3016-03	3.5026+06
•	.04	19764.9	2919.9	3528.0	14.00	10495	2.6	50000	1 - 3021 - 03	3.50ZE+06
	• 0.	19779.9	2921.4	3530.1	14.00	04.40	2.66	6454	1 - 30 CF - 03	3.502E+06
	40.	4.797.4	2422 B	3532.0	14.00	90	7.00	6556.4	1.3036-03	3.5025+06
-	٠0٠	19803.8	2924.1	3533.6	14.00	96+0	6,45	67.7.69	1.3036-03	3.501E+06
	÷	19812.4	2925.4	3535.0	14.00	1640	4.7.	4.6.50	1.3035-03	3.501E+06
773	٥٠	19820.4	2926.8	3537.4	14.00	7640	4.66	5.0060	1 - 304F = 0.3	3.500E+06
	٠,0	19426.5	2924.1	3539.2	14.00	27.40	5.55	6966.5	1.3046-03	3.500E+06
781	٠0،	19831.6	2929.6	3541.1	14.00	8540	40.0	6964	1.3046-03	3.449E+U6
7.87	. U.F.	19836.1	2931.1	3543.0	13.99	4440°	L. 4.4	もなわり。ド	1.3046-03	3.447E+06
064	٠٥٠	19840.3	2932.7	3545.1	13.49	5×40°	7.66	6967.5	1.3045-03	3.446E+06
751	٠٥,	19844.8	2934.4	3547.3	13.99	4440.	4.66	4.6749	1+3055-03	3.494E+06
161	• 0 •	19849.7	2936.1	3544.6	13.99	0000.	0.07	6971.4	1.3054-03	3.442E+06
٠٥٪	٠0٠	19855.5	2 y3 H.0	3552.0	13.99	0000.	100.0	4.67.64	1.3056-03	3.440E+06
¥01	٠0،	19462.2	5,688	3554.5	13,99	1000.	100.1	4.4749	1.3046-03	3.4HBE+06
-16	٠0٠	19470.2	5941.9	3557.1	13.98	1050.	100.1	4.6740	1.3046-03	3.4H6E+00
	•0+	19874.4	5943.9	3559.1	13,98	1000.	100.2	2.0440	1.3041-03	3.4H4E+06
•	٠0٠	19889.9	5,5462	3562.5	13.48	.050 <i>2</i>	100.3	4.5×€0	1.5045-03	3.4HZE+06
<u>e</u>	٠0٠	19901.6	2744.0	3565.2	13.98	₹050.	100.4	7.45.40	1.3046-03	3.441E+06
_	٠,	19914.3	2950.0	3567.9	13.98	20CO.	100.5	2. Luk9	1.3046-03	3.4776+06
. 31	٠٥٠	19927.8	2952.0	3570.6	13.46	.050.	100.5	6747.0	1.3035-03	3.477E + 06
	-01	19941.7	2954.0	3573.3	13.48	.050.	100.6	7. [750		3.475E+06
© 4	٠٥٠	19355.9	2955.9	3575.4	13.98	.050	100.	~ * * * * 4	1.3036-03	3.473£+06
441	- 0 -	19970.0	2957.B	3578.5	13.48	£000.	100.7	4.96.4	1.3036-03	3.4716.00
X :	- 0	19983.7	2959.7	3581.0	13.98	.050.	100	6798.6	1.3021-03	3.469E+06
ر م د م	•	1 00000	4.107.2	3583.4	13.98	4000	H	/ 000/	1.3025-03	3.448E+06
٠ د د د د	1 : 5 :	20008-0	2.5022	3787.8	13.48	*050*	A	1.2007	1.3016-03	3.466E+06
		0.61005	0.4040	35.00	5000	*000.	000	000	1.3016-03	5.45.4E.4U0
		2002	2000.0	35020	00.00	1000	•	4000	1 2000-103	3.456.00
60.		2002	0.000	7 5095	2 1			1000	1 3000	
		20040	2470	1505.	27.61	* 00 ° 0	101	7007	1.6096-03	3.47AC+00
	90	20053.0	7.7.7	3506.4	000	4000	107	7010		4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.
1 80	90	20055	2470.4	3544.0	3, 69	1000	2.101	7013.3	1. 20hr = 0.4	3.45.75+06
30	2	20052.0	2973.2	3599.1	13.48	4000	101.2	70167	E0-1867-1	3-4515+00
761	.0.	20057.6	2473.0	3600.0	3.6		7 101	70.4107	1	4-4-0F + 0A
T.	40	2005	2974.5	36000.7	37.6	40%0	101.2	70107	FO-3/5/-1	4.44.6
	104	20057.0	2475.0	3601.4	000	1000		7616.	1 1975-03	TANKE A
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	15 TH	70.97	77.01	77.07	77.12	77.17	77.75	77.31	77.32	77.35	77.42	77.4A	77.49	77.51	86.11	74.77	77 40	77.75	77.75	77.80	77.83	77.89	17.96	77.94	55.	10.1	78.12	74.14	74.21	74.26	74.29	C 57	7.5.67	75.43	71.47	74.53	18.57	74.27	77.	74.71	74.12	74.17	74.91	1	L	100	74.01	74.01	74.05	79.11
	ono	4 • 4 • 4 • 6 • 6	7.4	.47	4.478	7/1.	7 4 4	0.4	4.4.7	4.419	4.4.4	P14.4	7/4.4	4.417	011.	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 7 7 7	474.4	175.5	774.4	4.435	4.504	4.516	ν.: ν.: τ	4.U.1	. 4 . 4 . 6 . 6	4.511	4.511	9:5.4	4.514	6,56,4	- / n - / n	4.530	4.519	4.544	4.50	4.000	4.077	4.572	4.587	4.547	9.2.4	4.014	010.4	10.4	4	4.6.18	4.67d	4.631
	T 4 T	77.35	17.37	74.11	77.47	45°11	77.57	77.04	17.11	77.77	77.17	77.6 4	12.67	49.77	17.	(78-11	78.17	78.6	78.67	18.61	78.3	76.3	: T = 1	1 4	78.51	78.51	78.5	78.6.	78.6	16.7	7 6 7	7 0 0 0	78.81	78.9	,	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	10.51	74.17	19.1.	7	. 7. 5	7	7	7 4 5 7	7.4.5.	14.41	14.51	74.57
	13 0001	4.221	4.224	4.222	4.23	4.225	2000	4.230	4.233	4.237	4.244	4.253	4.256	4.26/	947.	2 2 2) \ \ \ \ \ \ \ \	4 . 780	4.00%	767.4	4.245	4.240	245.4	4.306	162.4	100) (E	4.320	4.376	4.321	4.337	1 76.4	7 8 6 4	4.350	4.361	4.363	4.35	200	4.381	4.368	4.341	4.367	4.376	4 . 43C	* 4 * 4	4 200	125.4	4.384	4.376	4.378
4112119	T3 TE	76.00	76.91	76.96	77.01	77.03	77.13	77.18	77.20	77.62	77.29	77.35	77.37	77.40		2001/	24.6		77.70	71.70	77.74	77.80	77.64	14.61	07.77	74.00	20.07	7H.U5	78.11	74.17	74.15	70.21	000	74.35	7n.3b	74.47	D	10.1	74.50	74.66	10.05	70.69	74.73	07.	. 1	74.4	74.01	74.43	71.46	74.02
4110179-12/12/79	12 400T	26.043	26.713	26.721	26.758	20.644	72.736	26.748	26.751	26.774	26.747	26.628	26.853	26.910	70.07	24.17.		574.00	26.941	26.973	564.05	26.435	26.450	26.443	176.07	147.46	917.00	76.971	20.718	21.005	27.026	71.044	6.00	27.075	27.048	100.15	T 20	77.136	27.140	27.061	21.073	27.017	150.10	700-12	20.00.00	27.1.7	77.054	151.15	21.00.6	•
Tesi 1	12 Tw	תח	•	o	o	ør		117.51	111.73	118.01	110.22	116.51	118.72	119.00	119.68	114.00	10	120-20	74.021	160.17	120.5h	121.15	151.41	141.64	164.03	10000	120-24	126.73	123.03	163.18	163.34	1999	20.00	124.15	124.59	164.80) (160.63	140.65	125.75	1<6.0€	120.36	05.621	17.021	00.001		4	121.16	121.49	120.13
SHAKFDOWN	11 ono 11	64.427	65.1.66	151.50	65.312	95.736	075.50	65,396	65.443	65.517	65.575	65.60b	55.635	65. AU5	0.00	70.00	767	65.768	45. x Z	55.75	584°CQ	99,400	0/4.50	0 to 0 to 0	00.114	00	65,465	65,453	66.041	60.123	10.214	202.00	200	00.474	06.516	444.00	21-00	00.00 01.00	60.12	26.1.99	66.1.00	66.4.1A	00.1.00	27.00	474	00000	04.99	6699	60.170	441.00
	11 T#	176.97	179.68	180.24	24.001	181.66	187.93	183.64	184.61	184.41	165.48	186.05	186.75	167.32	101	1001		190.43	191.00	191.71	196.27	196.70	14000	173,83	10.11	140.10	170.10	196.80	157.37	197.79	198.34		50.661	C00.17	54.102	*0.202	200,000	2007	204.16	604.73	Λ	د	7 V 1 V 1 V	70.707	17	700,000	21.502	45.402	<10.11	14.012
IAL THERMOCOUPLE	63 QUUT	3.470	3.472	3.474	3.476	2/4.7	7000	484.5	3.446	3.489	3.498	3.495	200 m	100.5	2004		4 (3.518	3.521	3.524	3.527	3.530	3.536	0,000 0,1		0 7 0 7 0 7 0 7	3.540	3.541	3.541	3.541	3.040	3.034 2.134	2000	3.536	3.534	3.533	10000	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	3.529	3.529	3.554	164.6	1,000	0.0.0	. 44.	3.55	3.560	3.564	3.580	765.6
CO-AX	62 000T	3.722	3,723	3.724	3.724	3. (Z3	3.72	3.720	3.719	3.717	3.716	1.715	3.713	3.712	3.116	111		3.711	3.716	3,713	3.714	3.717	5	3.166	0.00	7. (2)	3.736	1.74]	3.746	1.750	4.155	10/0	177	3.776	1.78]	1.70h		3.000	1.804	4.00A	4.011	1.014			112	2.00	1.064	4.024	1.864	1.564
¥18 1333	61 0001	1000 P	3.934	3.941	3.44	440	3.945	3.946	3.946	3.947	3.947	3.947	3.947	, e	7 7 7 6	3.947	14 m	545.5	3.44.	3.950	3.951	3.95%	الاران . الاران :	3.45	- J	3.957	3.564	3.94/	3.471	3.974	3.978	7.44	107	3.545	4.000	700.4	270.0	7 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ていつ・ナ	4.034	¥.034	4.043	40.4	100.4	4.0.4	4.0.7	4.057	4-0-4	4.054	٠٠. د د د د د
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20072-2 298-5 3010-7 13-77 10500 1017 102-7 11-29f-03 20072-2 298-5 3010-7 13-77 10500 1017 102-7 11-29f-03 20072-2 298-5 3010-4 13-77 10500 1017 102-7 11-29f-03 20072-2 298-5 3010-7 13-77 10500 1017 102-7 11-29f-03 20072-2 298-6 3010-7 13-77 10500 1017 102-7 11-29f-03 20073-2 298-6 3010-7 13-77 10500 101-8 102-7 11-29f-03 20073-2 298-6 3010-7 13-77 10500 101-9 101-9 101-9 10-9 10-9 10-9 10-9	7	0.0000 7.0000	0.767	36.17.6	2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0000		7070	100 11 10 10 10 10 10 10 10 10 10 10 10	3.443E+UO
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20072.6 2985.9 3811.7 13.47 .0506 1011.7 7055.0 1.2477-0.3 20072.6 2986.7 3811.8 13.47 .0506 1011.8 7075.0 1.2477-0.3 20094.5 2986.6 3817.8 13.47 .0506 1011.8 7075.0 1.2777-0.3 20094.5 2987.6 3817.8 13.47 .0507 101.9 7035.0 1.2777-0.3 20094.5 2987.6 3817.7 .0507 101.9 7035.0 12777-0.3 20094.5 2987.6 3827.7 13.47 .0507 101.9 7035.0 12786-0.3 2011.6 2997.6 3828.7 13.47 .0507 101.9 7035.0 12786-0.3 2011.6 2997.7 3828.7 13.47 .0507 107.0 7035.0 12786-0.3 12786-0.3 12786-0.3 12786-0.3 12786-0.3 12786-0.3 12786-0.3 12786-0.3 12786-0.3 12786-0.3 12786-0.3 12786-0.3 12786-0.3 12786-0.3 12786-0.3 <td>T. T.</td> <td>2000</td> <td>2761.8</td> <td>3610.4</td> <td>13.47</td> <td>0200</td> <td>101</td> <td>7073.1</td> <td>1.c97t-03</td> <td>3.441E+06</td>	T. T.	2000	2761.8	3610.4	13.47	0200	101	7073.1	1.c97t-03	3.441E+06
20077.6 2494.1 3013.4 13.47 .0506 1011.4 7077.1 1.2477.1 20093.5 2494.3 3014.4 13.47 .0507 1011.9 7036.3 1.2477.1 20093.5 2496.6 3017.6 13.47 .0507 101.9 7036.3 1.2477.1 20093.5 2496.6 3020.5 13.47 .0507 101.9 7031.1 1.2496.1 20103.5 2496.6 3020.5 13.47 .0507 101.9 7031.1 1.2496.1 20103.6 2490.6 3020.5 13.47 .0507 101.9 7031.1 1.2496.1 20114.5 2491.6 3022.5 13.47 .0507 102.0 1039.1 1.2496.1 1.2496.1 20114.5 2491.6 3022.5 13.47 .0507 102.0 1039.1 1.2496.1 1.2496.1 1050.1 107.0 1039.1 1.2496.1 1.2496.1 1050.1 107.0 1039.1 1.2496.1 1.2496.1 1.2496.1 1050.1 107.	*	20072.6	6.4862	3611.7	13.47	9369	101.7	7075.0	1.2975-03	3.440E+06
20082.6 2986.3 3814.8 13.97 .0506 101.8 7027.1 12.97f - 0.3 20083.5 2986.6 3811.8 13.97 .0506 101.9 7036.2 12.97f - 0.3 20093.5 2986.6 3817.2 13.47 .0507 101.9 7036.2 12.99f - 0.3 20103.5 2986.6 3821.5 13.47 .0507 101.9 7036.2 12.99f - 0.3 20103.5 2991.6 3822.5 13.47 .0507 102.0 7036.2 12.99f - 0.3 20116.5 2992.2 3824.0 13.47 .0507 102.0 7036.2 12.99f - 0.3 20116.5 2992.2 3824.0 13.47 .0507 102.0 7036.2 12.99f - 0.3 20116.5 2992.2 3824.0 13.47 .0507 102.0 7036.2 12.99f - 0.3 20104.1 2992.0 3822.0 13.47 .0507 102.0 7036.2 12.99f - 0.3 20104.2 3822.0 13.47 .0507	.57	40077.6	2484.1	3613.4	13.47	9050.	101.7	7026.3	1.2975-03	3.438E+06
200945.2 2998.5 3918.4 13.47 0000 101.4 7030.3 1.2978.6 200945.2 2998.6 3917.6 13.47 0007 101.9 7031.3 1.2968.6 200945.2 2996.6 3926.0 13.47 0007 101.9 7031.3 1.2968.6 20107.2 2999.0 3826.0 13.47 0007 101.9 7031.3 1.2968.6 20117.3 2999.0 3822.5 13.47 0007 102.0 7034.3 1.2968.6 20117.3 2991.0 3822.0 13.47 0007 102.0 7034.4 1.2998.4 20118.3 2991.0 3822.0 13.47 0007 102.0 7034.4 1.2998.4 <	T 0 .		2985.3	3614.8	13.57	9050.	101.8	7.1507	1.2478-63	3.43/6+06
2009935 25987.6 3817.8 13.47 .0507 101.9 7031.3 12.29f.6 03	ca.	۰.	2786.5	3616.4	13.97	.050e	101.8	7029.0	1.2576-03	3.4365.06
20103-5 2988-6 3021-5 113-7 00-07 101-5 0701-1 12296-03 20103-5 2990-9 3022-5 113-7 00-07 102-0 7033-1 12296-03 20112-9 20107-2 2991-9 3023-2 113-7 00-07 102-0 7033-1 12296-03 20112-9 2991-9 3023-7 13-7 00-07 102-0 7033-1 12296-03 20113-9 2991-9 3023-7 13-7 00-07 102-0 7033-1 12296-03 20113-9 2992-0 3023-7 13-7 00-07 102-0 7033-1 12296-03 20113-5 2992-0 3023-0 13-7 00-07 102-0 7033-1 12296-03 20113-5 2992-0 3023-0 13-7 00-07 102-0 7033-1 12296-03 20113-5 2992-0 3023-0 13-7 00-07 102-0 7033-1 12296-03 20103-1 2991-0 3023-0 13-7 00-07 102-0 7033-1 12296-03 20103-1 2991-0 3023-0 13-7 00-07 102-0 7033-1 12296-03 20103-1 2991-0 3022-0 13-7 00-07 102-0 7033-1 12296-03 20103-1 2991-0 3022-0 13-7 00-07 102-0 7033-1 12296-03 20103-0 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 20103-0 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 20103-0 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 20103-0 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 20103-0 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 20103-0 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 20103-0 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 20103-0 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 20103-0 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 20103-0 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 20103-0 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 20103-0 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 20103-0 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 20103-0 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 20103-0 2991-0 3022-0 13-7 00-00 102-0 7033-1 12296-03 20103-0 7033-1 12296-03 20103-0 7033-1 12296-03 20103-0 7033-1 12296-03 20103-0 7033-1 12296-03 20103-0 7033-1 12296-03 20103-0 7033-1 12296-03 20103-0 7033-1 12296-03 20103-0 7033-1 12296-03 20103-0 7033-1 12296-03 20103-0 7033-1 12296-03 20103-0 7033-1 12296-03 20103-0 7033-1 12296-03 20103-0 7033-1 123-0 7033-1 12296-03 20103-0 7033-1 123-0 7033-1 123-0 7033-1 123-0 7033-1 123-0 7033-1 123-0 7033-1 123-0 7033-1 123-0 7033-1 123-0 7033-1 123-	66.	~	2787.6	3617.8	13.47	1050.	101.9	7030.3	1.297E-03	
201074 29994 3024.5 13.47 00507 101.9 7032.6 12.996-03 201075 29910. 3022.5 13.47 00507 102.0 7033.1 1.2996-03 20116.3 2991.6 3022.2 13.47 00507 102.0 7033.1 1.2996-03 20116.3 2991.2 3022.2 13.47 00507 102.0 7033.1 1.2996-03 20116.3 2992.2 3022.0 13.47 00507 102.0 7033.1 1.2996-03 20111.5 2992.2 3022.0 13.47 00507 102.0 7033.1 1.2996-03 20111.5 2992.2 3022.0 13.47 00507 102.0 7033.2 11.2996-03 20111.5 2992.2 3022.0 13.47 00507 102.0 7033.2 11.2996-03 20111.5 2992.2 3022.0 13.47 00507 102.0 7033.2 11.2996-03 20111.5 2992.2 3022.0 13.47 00507 102.0 7033.2 11.2996-03 20103.0 2991.0 3022.0 13.47 00507 102.0 7033.2 11.2996-03 20103.0 2991.0 3022.0 13.47 00507 102.0 7033.2 11.2996-03 20103.0 2991.0 3022.0 13.47 00507 102.0 7033.2 11.2996-03 20103.0 2991.0 3022.0 13.47 00507 102.0 7033.2 11.2996-03 20103.0 2991.0 3022.0 13.47 00507 102.0 7033.2 11.2996-03 20103.0 2991.0 3022.0 13.47 00507 102.0 7033.2 11.2996-03 20103.0 2991.0 3022.0 13.47 00507 102.0 7033.2 11.2996-03 20103.0 3022.0 13.47 00507 102.0 7033.2 11.2996-03 20103.0 3022.0 13.49 00507 102.0 7033.2 11.2996-03 102.0 102.0 7033.2 11.2996-03 102.0 102.0 7033.2 11.2996-03 102.0 102.0 7033.2 11.2996-03 102.0 102.0 7033.2 11.2996-03 102.0 102.0 7033.2 11.2996-03 102.0 102.0 7033.2 11.2996-03 102.0 102.0 7033.2 11.2996-03 102.0 102.0 7033.2 11.2996-03 102.0 102.0 7033.2 11.2996-03 102.0 102.0 102.0 7033.2 11.2996-03 102.0 102.0 102.0 7033.2 11.2996-03 102.0 102.0 102.0 7033.2 11.2996-03 102.0 102.0 7033.2 11.2996-03 102.0 102.0 7033.2 11.2996-03 102.0 102.0 7033.2 11.2996-03 102.0 102.0 7033.2 11.2996-03 102.0 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7033.2 11.2996-03 102.0 7	1.07	~	2788.6	3014.2	13.47	1000	101.5	7041.07	1.2965-03	
20112.9 2990.4 3021.6 13.77 .0507 102.0 7034.3 1.2965-0.3 20112.9 2991.0 3023.7 13.77 .0507 102.0 7034.3 1.2965-0.3 20112.9 2991.0 3023.7 13.77 .0507 102.0 7034.3 1.2965-0.3 20114.5 2991.2 3024.0 13.77 .0507 102.0 7035.3 1.2965-0.3 20114.5 2992.2 3024.0 13.77 .0507 102.0 7035.0 1.2995-0.3 20114.5 2992.2 3024.0 13.77 .0507 102.0 7035.0 1.2995-0.3 20114.5 2992.2 3024.0 13.77 .0507 102.0 7035.0 1.2995-0.3 20114.5 2992.2 3022.0 13.77 .0507 102.0 7035.0 1.2995-0.3 20103.0 2991.7 3022.0 13.77 .0507 102.0 7035.0 1.2995-0.3 20103.0 2991.7 3022.0 13.77 .0507 102.0 7035.0 1.2995-0.3 20103.0 2991.3 3022.0 13.77 .0507 102.0 7033.0 1.2995-0.3 20103.0 2991.3 3022.0 13.77 .0507 102.0 7033.0 1.2995-0.3 20103.0 2991.3 3022.1 13.75 .0507 102.0 7033.0 1.2995-0.3 20103.0 2991.3 3022.1 13.75 .0507 102.0 7033.0 1.2995-0.3 20103.0 2991.3 3022.1 13.75 .0507 102.0 7033.0 1.2995-0.3 20103.0 2991.3 3022.2 13.75 .0507 102.0 7033.0 1.2995-0.3 10295-0.3 20103.0 102.0 7033.0 1.2995-0.3 10295-0.3 20103.0 102.0 7033.0 1.2995-0.3 10295-0.3 20103.0 102.0 7033.0 1.2995-0.3 10295-0.3 20103.0 102.0 7033.0 1.2995-0.3 10295-0.3 20103.0 102.0 7033.0 1.2995-0.3 10295-0.3 2022.0 13.75 .05070 102.0 7033.0 1.2995-0.3 10295-0.3 2022.0 13.75 .05070 102.0 7033.0 1.2995-0.3 10295-0.3 2022.0 13.75 .05070 102.2 7034.0 1.2995-0.3 10295-0.3 2022.0 13.75 .05070 102.2 7034.0 1.2995-0.3 10295-0.3 2022.0 13.75 .05070 102.2 7034.0 1.2995-0.3 10295-0.3 2022.0 13.75 .05070 102.2 7034.0 1.2995-0.3 10295-0.3 2022.0 13.75 .05070 102.2 7034.0 1.2995-0.3 10295-0.3 2022.0 13.75 .05070 102.2 7034.0 1.2995-0.3 10295-0.3 2022.0 13.75 .05070 102.2 7034.0 1.2995-0.3 10295-0.3 2022.0 13.75 .05070 102.2 7034.0 1.2995-0.3 10295-0.3 2022.0 13.75 .05070 102.2 7034.0 1.2995-0.3 10295-0.3 2022.0 13.75 .05070 102.2 7034.0 1.2995-0.3 10295-0.3 2022.0 13.75 .05070 102.2 7034.0 1.2995-0.3 10295-0.3 2022.0 13.75 .05070 102.2 7034.0 1.2995-0.3 10295-0.3 102.0 102.2 7034.0 1.2995-0.3 10295-0.3 102.0 102.2 7034.0 1.2995-0.3 102.0 102.0 102.2 7034.0 1.2995-0.3 102.0 102.0 102.0 102.0 102.0 102.0	1.63	~	2789.6	3620.5	13.47	1000.	101.9	7432.0	1.246E-03	3.4326+06
20110.5 2991.0 3623.7 13.47 .0507 107.0 7035.3 1.2955-0.3 201112.5 2992.2 364.0 13.47 .0507 107.0 7035.4 1.2955-0.3 201112.5 2992.2 364.0 13.47 .0507 107.0 7035.5 1.2955-0.3 201112.5 2992.2 364.0 13.47 .0507 107.0 7035.5 1.2955-0.3 201111.5 2992.2 364.0 13.47 .0507 107.0 7035.5 1.2955-0.3 201111.5 2992.2 3624.0 13.47 .0507 107.0 7035.5 1.2955-0.3 201111.5 2992.2 3624.0 13.47 .0507 107.0 7035.5 1.2955-0.3 201111.5 2992.2 3624.0 13.47 .0507 107.0 7035.5 1.2955-0.3 20102.0 2992.3 3622.2 13.47 .0507 102.0 7035.5 1.2955-0.3 20102.0 2991.3 3622.2 13.47 .0506 102.0 7034.5 1.2955-0.3 20102.0 2991.3 3622.2 13.47 .0506 102.0 7034.5 1.2955-0.3 20102.0 2991.3 3622.2 13.45 .0506 102.0 7033.3 1.2955-0.3 20102.0 2991.3 3622.2 13.45 .0506 102.0 7033.3 1.2955-0.3 20102.0 2991.3 3622.3 13.46 .0506 102.0 7033.3 1.2955-0.3 20102.0 2991.3 3622.3 13.46 .0506 102.0 7033.3 1.2955-0.3 20102.0 2991.3 3622.3 13.46 .0506 102.0 7033.3 1.2955-0.3 20102.0 2991.3 3622.3 13.46 .0506 102.0 7033.3 1.2955-0.3 20102.0 2991.3 3622.3 13.46 .0506 102.0 7033.3 1.2955-0.3 20102.0 2991.3 3622.3 13.46 .0506 102.0 7033.3 1.2955-0.3 20102.0 2991.3 3622.3 13.46 .0506 102.0 7033.3 1.2955-0.3 20102.0 2991.3 3622.3 13.46 .0506 102.0 7033.3 1.2955-0.3 20102.0 2991.3 3622.3 13.46 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.46 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.46 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.46 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.46 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.45 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.45 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.45 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.45 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.45 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.45 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.45 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.45 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.45 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.45 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.45 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.45 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.45 .0506 102.0 7033.3 1.2995-0.3 2022.0 13.45 .0506 102.0 7033.3 1.29	1.39	20105	4.0662	3621.6	13.47	1050.	102.0	7033.7	1.2965-03	3.431E+06
20112-9 2991-9 3623-7 13-7 .0507 102-0 7035-4 1.2955-03 20114-3 2992-2 3644-1 13-7 .0507 102-0 7035-4 1.2955-03 20114-1 2992-2 3644-1 13-7 .0507 102-0 7035-4 1.2955-03 201114-1 2992-2 3644-1 13-7 .0507 102-0 7035-4 1.2955-03 201114-1 2992-1 3623-6 13-7 .0507 102-0 7035-6 1.2955-03 201114-1 2992-1 3623-6 13-7 .0507 102-0 7035-6 1.2955-03 20104-1 2992-1 3623-6 13-7 .0507 102-0 7035-6 1.2955-03 20103-6 2992-1 3623-6 13-7 .0507 102-0 7035-6 1.2955-03 20103-6 2992-1 3622-6 13-7 .0507 102-0 7035-6 1.2955-03 20103-6 2991-1 3622-6 13-7 .0507 102-0 7033-7 1.2955-03 20103-1 2991-1 3622-6 13-7 .0507 102-0 7033-6 1.2955-03 20102-1 2991-1 3622-6 13-7 .0507 102-0 7033-6 1.2955-03 20102-1 2991-1 3622-1 13-7 .0507 102-0 7033-1 1.2955-03 20102-1 2991-1 3621-1 13-7 .0507 102-0 7033-1 1.2955-03 1992-0 3621-1 13-7 .0507 102-0 7033-1 1.2955-03 1992-0 3621-1 13-7 .0507 102-0 7033-1 1.2955-03 1992-0 3621-1 13-7 .0507 102-0 7033-1 1.2955-0 31990-1 2991-0 3622-1 13-7 .0507 102-0 7033-1 1.2955-0 31990-1 2991-0 3622-1 13-7 .0507 102-0 7033-1 1.2955-0 31990-1 2992-1 3622-1 13-7 .0507 102-0 7033-1 1.2955-0 31990-1 2992-1 3622-1 13-7 .0507 102-0 7033-1 1.2955-0 31990-1 2992-1 3622-1 13-7 .0507 102-0 7033-1 1.2955-0 31990-1 2991-0 3622-1 13-7 .0507 102-0 7033-1 1.2955-0 31990-1 1.2955-0 31990-1 12-295-0 319-0 3622-1 13-7 .0507 102-0 7033-1 1.2955-0 319-	1.56	201105	0.1445	3622.5	13.57	1050.	10%.0	7634.3	1.2966-03	3.4306+06
20114.5 2991.9 3623.7 13.47 .0007 102.0 7035.1 1.295F-03 201114.5 2992.2 3624.0 13.47 .0007 102.0 7035.5 1.295F-03 201114.5 2992.2 3624.0 13.47 .0007 102.0 7035.5 1.295F-03 201114.5 2992.2 3623.0 13.47 .0007 102.0 7035.4 1.295F-03 20103.0 2991.7 3623.0 13.47 .0006 102.0 7033.4 1.295F-03 20103.0 2991.7 3622.0 13.47 .0006 102.0 7033.5 1.294F-03 20105.0 2991.7 3622.0 13.47 .0006 102.0 7033.5 1.294F-03 20105.0 2991.7 3621.1 13.46 .0006 102.0 7033.3 1.294F-03 12946.0 102.0 7033.4 1.294F-03 10995.6 2991.7 3621.1 13.46 .0006 102.0 7033.3 1.294F-03 10995.6 2991.7 3621.1 13.46 .0006 102.0 7033.1 1.294F-03 10995.6 2991.7 3621.1 13.46 .0006 102.0 7033.1 1.294F-03 10995.6 2991.7 3621.1 13.46 .0006 102.0 7033.4 1.294F-03 10995.6 2991.7 3621.1 13.46 .0006 102.0 7033.4 1.294F-03 10995.6 2991.7 3621.1 13.45 .0006 102.2 7033.6 1.299F-03 10995.6 2991.7 3622.1 13.45 .0006 102.2 7033.8 1.299F-03 10995.6 2991.7 36	1.74	20112.9	5891.6	3623.2	13.47	,0507	102.0	7034.4	1.4954-113	3.474E+06
20113-5 2992-2 3624-1 13-7 00507 102-0 7035-6 1.2955-0.3 201113-6 2992-2 3624-1 13-7 00507 102-0 7035-6 1.2955-0.3 201113-6 2992-3 3623-6 13-7 00507 102-0 7035-6 1.2955-0.3 20103-0 2992-1 3623-6 13-7 00507 102-0 7035-7 1.2955-0.3 20103-1 2991-3 3622-6 13-7 00506 102-0 7034-7 1.2955-0.3 20103-1 2991-3 3622-6 13-7 00506 102-0 7033-7 1.2955-0.3 20103-1 2991-3 3622-7 13-7 00506 102-0 7033-7 1.2955-0.3 20103-1 2991-3 3622-1 13-7 00506 102-0 7033-7 1.2955-0.3 20103-1 2991-3 3621-7 13-9 00506 102-0 7033-3 1.2955-0.3 20103-1 2991-3 3621-7 13-9 00506 102-0 7033-3 1.2955-0.3 20103-1 2991-3 3621-7 13-9 00506 102-0 7033-3 1.2955-0.3 20103-1 2991-3 3621-7 13-9 00506 102-0 7033-3 1.2955-0.3 20103-1 2991-3 3621-7 13-9 00506 102-0 7033-3 1.2955-0.3 20103-1 2991-3 3621-7 13-9 00506 102-0 7033-3 1.2955-0.3 20103-1 2991-3 3621-7 13-9 00506 102-0 7033-3 1.2955-0.3 20103-1 2991-3 3621-7 13-9 00506 102-0 7033-4 1.2955-0.3 20103-1 2991-3 3622-3 13-9 00506 102-0 7033-4 1.2	1.93		6.1445	3623.7	13.47	1000.	105.0	7035.1	1.2951-03	3.474E+06
20111.5 2992.2 3624.1 13.47 .0507 102.0 7035.6 1.2995-0.3 201011.5 2992.2 3624.0 13.47 .0506 102.0 7035.6 1.2995-0.3 201041.5 2992.1 3623.6 13.47 .0506 102.0 7035.6 1.2995-0.3 201041.5 2991.2 3623.2 13.47 .0506 102.0 7034.5 1.2945-0.3 201041.5 2991.3 3622.4 13.47 .0506 102.0 7034.5 1.2945-0.3 20105.9 2991.3 3622.4 13.47 .0506 102.0 7033.8 1.2945-0.3 20105.9 2990.9 3621.4 13.47 .0506 102.0 7033.8 1.2945-0.3 20105.9 2990.9 3621.4 13.47 .0506 102.0 7033.8 1.2945-0.3 20105.9 2990.9 3621.4 13.47 .0506 102.0 7033.3 1.2945-0.3 20105.9 2990.9 3621.4 13.46 .0506 102.0 7033.1 1.2945-0.3 20105.9 2990.9 3621.4 13.46 .0506 102.0 7033.1 1.2945-0.3 20105.6 2991.9 3622.4 13.46 .0506 102.0 7033.1 1.2945-0.3 20105.6 2991.9 3622.1 13.46 .0506 102.0 7033.1 1.2945-0.3 20105.6 2991.9 3622.1 13.46 .0506 102.0 7033.1 1.2945-0.3 20105.6 2991.9 3622.1 13.46 .0506 102.0 7033.1 1.2945-0.3 20105.6 2991.9 3622.1 13.46 .0506 102.0 7033.1 1.2945-0.3 20105.6 2991.9 3622.1 13.45 .0506 102.2 7034.6 1.2916-0.3 20105.6 2991.9 3622.1 13.45 .0506 102.2 7034.6 1.2916-0.3 20105.6 2993.3 3622.3 13.45 .0506 102.2 7034.6 1.2916-0.3 20105.6 2993.1 3622.1 13.45 .0506 102.2 7034.6 1.2916-0.3 20105.6 2993.1 3622.1 13.45 .0506 102.2 7034.6 1.2916-0.3 20105.6 2993.1 3622.1 13.45 .0506 102.2 7034.6 1.2916-0.3 20105.6 2993.1 3622.1 13.45 .0506 102.2 7034.6 1.2916-0.3 20105.6 2993.1 3622.1 13.45 .0506 102.2 7034.6 1.2916-0.3 20105.6 2993.1 3622.1 13.45 .0506 102.2 7034.6 1.2916-0.3 20105.6 2993.1 3622.1 13.45 .0506 102.2 7034.6 1.2916-0.3 20105.6 2993.1 3622.1 13.45 .0506 102.2 7034.6 1.2916-0.3 20105.6 2993.1 13.45 .0506 102.2 7034.6 1.2916-0.3 20105.6 2993.1 13.45 .0506 102.2 7034.6 1.2916-0.3 20105.7 2993.1 13.45 .0506 102.2 7034.6 1.2916-0.3 20105.8 2993.1 13.45 .0506 102.2 7034.6 1.2916-0.3 20105.9 2010.0 102.2 7034.6 1.2916-0.3 20105.0 102.2 7034.0 1.2916-0.3 20105.0 102.2 7034.0 1.2916-0.3 20105.0 102.2 7034.0 1.2916-0.3 20105.0 102.2 7034.0 1.2916-0.3 20105.0 102.2 7034.0 1.2916-0.3 20105.0 102.2 7034.0 1.2916-0.3 20105.0 102.2 7034.0 1.2916-0.3 20105.0 1	2.13	r v	2995.2	362.0	13.~1	1050.	102.0	7035.5	1.2954 -03	3.428E+06
20104115 2992.2 3623.0 13.47 .000/ 102.0 7035.4 1.2954-0.3 200041.9 2992.0 3623.0 13.47 .0006 102.0 7035.4 1.2945-0.3 20091.9 3623.0 13.47 .0006 102.0 7034.9 1.2945-0.3 20091.9 3622.4 13.47 .0006 102.0 7034.5 1.2945-0.3 20065.3 2991.3 3622.4 13.47 .0006 102.0 7034.5 1.2945-0.3 20065.3 2991.3 3622.4 13.47 .0006 102.0 7033.3 1.2945-0.3 20065.3 2990.9 3621.7 13.47 .0006 102.0 7033.3 1.2945-0.3 20065.3 2990.9 3621.7 13.47 .0006 102.0 7033.3 1.2945-0.3 20065.3 2990.9 3621.7 13.47 .0006 102.0 7033.3 1.2945-0.3 20065.3 2990.9 3621.1 13.46 .0006 102.0 7033.3 1.2945-0.3 20065.3 2990.9 3621.1 13.46 .0006 102.0 7033.3 1.2945-0.3 20065.3 2990.7 3621.2 13.46 .0006 102.0 7033.3 1.2945-0.3 20015.6 2991.0 3621.4 13.46 .0006 102.0 7033.3 1.2945-0.3 20015.6 2991.0 3621.4 13.46 .0006 102.0 7033.3 1.2945-0.3 19966.0 2991.0 3622.0 13.46 .0006 102.0 7033.3 1.2945-0.3 19966.0 2991.0 3622.0 13.46 .0006 102.2 7033.0 1.2945-0.3 19966.0 2991.0 3622.0 13.46 .0006 102.2 7033.0 1.2945-0.3 19966.0 2991.0 3622.0 13.46 .0006 102.2 7033.0 1.2945-0.3 19966.0 2991.2 3622.0 13.46 .0006 102.2 7033.0 1.2995-0.3 19967.0 2991.2 3622.0 13.45 .0006 102.2 7033.0 1.2995-0.3 19967.0 2991.2 3622.0 13.45 .0006 102.2 7033.0 1.2995-0.3 19967.0 2991.2 3622.0 13.45 .0006 102.2 7033.0 1.2995-0.3 19967.0 2991.2 3622.0 13.45 .0006 102.2 7034.4 1.2995-0.3 19967.0 2991.2 3622.0 13.45 .0006 102.2 7034.4 1.2995-0.3 19967.0 2991.2 3622.0 13.45 .0006 102.2 7034.4 1.2995-0.3 19967.0 2991.2 3622.0 13.45 .0006 102.2 7034.4 1.2995-0.3 19967.0 2991.2 3622.0 13.45 .0006 102.2 7034.4 1.2995-0.3 19967.0 2991.2 3622.0 13.45 .0006 102.2 7034.4 1.2995-0.3 19967.0 2991.2 3622.0 13.45 .0006 102.2 7034.4 1.2995-0.3 13.45 .0006 102.2 7034.4 1.2995-0.3 13.45 .0006 102.2 7034.4 1.2995-0.3 13.45 .0006 102.2 7034.4 1.2995-0.3 13.45 .0006 102.2 7034.4 1.2995-0.3 13.45 .0006 102.2 7034.4 1.2995-0.3 13.44 .0006 102.2 7034.4 1.2995-0.3 13.45 .0006 102.2 7034.4 1.2995-0.3 13.45 .0006 102.2 7034.4 1.2995-0.3 13.45 .0006 102.2 7034.4 1.2995-0.3 13.44 .0006 102.2 7034.2 7034.2 7034.2 7034.2 7034.2	2.34	20113.6	2992,3	3624.1	13.47	1050.	102.0	7035.6	1.4958-03	3.42HE+U6
20091-1 2992-1 3623-6 13-7 .0506 102-0 7035-4 12995-03 20097-9 2991-5 3622-6 13-7 .0506 102-0 7034-9 1-2995-03 20097-9 2991-5 3622-6 13-7 .0506 102-0 7034-9 1-2995-03 20093-1 3622-6 13-7 .0506 102-0 7033-1 1-2995-03 20095-5 2991-3 3622-6 13-7 .0506 102-0 7033-8 1-2995-03 20055-9 2990-9 3621-7 13-47 .0506 102-0 7033-8 1-2995-03 20055-9 2990-9 3621-7 13-47 .0506 102-0 7033-1 1-2995-03 20055-9 2990-9 3621-7 13-47 .0506 102-0 7033-1 1-2995-03 20055-9 2990-9 3621-7 13-46 .0506 102-0 7033-1 1-2995-03 20055-9 2990-9 3621-7 13-96 .0506 102-0 7033-1 1-2995-03 20055-9 2991-9 3622-0 13-96 .0506 102-0 7033-1 1-2995-03 10995-0 2991-9 3622-0 13-96 .0506 102-0 7033-1 1-2995-0 10995-0 2991-9 3622-0 13-96 .0506 102-1 7033-1 1-2995-0 10995-0 2991-9 3622-0 13-96 .0506 102-1 7033-1 1-2995-0 10995-0 10995-0 2993-3 3622-0 13-96 .0506 102-2 7033-4 1-2995-0 10995-0 10995-0 102-2 7033-4 1-2995-0 10995-0 10995-0 102-2 7033-4 1-2995-0 10995-0 10995-0 102-2 7033-4 1-2995-0 10995-0 10995-0 102-2 7033-4 1-2995-0 10995-0 10995-0 102-2 7033-4 1-2995-0 10995-0 10995-0 102-2 7033-4 1-2995-0 10995-0 10995-0 102-2 7033-4 1-2995-0 10995-0 10995-0 102-2 7033-4 1-2995-0 10995-0 10995-0 102-2 7033-4 1-2995-0 10995-0 10995-0 102-2 7033-4 1-2995-0 10995-0 10995-0 102-2 7033-4 1-2995-0 10995-		20111.5	2495.2	3624.0	13.47	1000.	10%	7035.6	1.2951-03	3.427E+06
20091.1 2991.5 3623.6 13.97 .0006 102.0 7035.6 1.2946-0.3 20091.1 2991.5 3623.6 13.97 .0006 102.0 7035.6 1.2946-0.3 20091.1 2991.3 3622.4 13.47 .0006 102.0 7033.6 1.2946-0.3 20075.0 2991.3 3622.4 13.47 .0006 102.0 7033.8 1.2946-0.3 20075.0 2991.0 3622.0 13.47 .0006 102.0 7033.8 1.2946-0.3 20075.0 2991.0 3622.1 13.46 .0006 102.0 7033.3 1.2946-0.3 20046.3 2990.7 3621.1 13.46 .0006 102.0 7033.1 1.2946-0.3 20045.1 2990.7 3621.1 13.46 .0006 102.0 7033.1 1.2946-0.3 20015.6 2991.0 3622.1 13.46 .0006 102.0 7033.1 1.2946-0.3 20015.6 2991.0 3622.1 13.46 .0006 102.0 7033.1 1.2946-0.3 19966.1 2991.0 3622.1 13.46 .0006 102.0 7033.1 1.2946-0.3 19966.1 2991.0 3622.1 13.46 .0006 102.0 7033.1 1.2946-0.3 19966.1 2991.0 3622.1 13.46 .0006 102.0 7033.1 1.2946-0.3 19966.1 2991.0 3622.1 13.46 .0006 102.2 7033.4 1.2946-0.3 19966.1 2991.0 3622.2 13.45 .0006 102.2 7033.4 1.2946-0.3 19966.1 2991.0 3622.3 13.45 .0006 102.2 7033.4 1.2946-0.3 19966.1 2991.0 3622.3 13.45 .0006 102.2 7033.4 1.2946-0.3 19966.1 2991.0 3622.3 13.45 .0006 102.2 7033.4 1.2946-0.3 19966.1 2991.0 3622.3 13.45 .0006 102.2 7033.4 1.2946-0.3 19966.1 2991.0 3622.5 13.45 .0006 102.2 7034.4 1.2946-0.3 19966.1 2991.0 3622.5 13.45 .0006 102.2 7034.4 1.2946-0.3 19966.1 2991.0 3622.5 13.45 .0006 102.2 7034.4 1.2946-0.3 19966.1 2991.0 3622.5 13.45 .0006 102.2 7034.4 1.2946-0.3 19966.1 2991.0 3622.5 13.45 .0006 102.2 7034.4 1.2946-0.3 19966.1 2991.0 3622.5 13.45 .0006 102.2 7034.4 1.2946-0.3 19966.1 2991.0 3622.5 13.45 .0006 102.2 7034.4 1.2946-0.3 19966.1 2991.0 3622.5 13.45 .0006 102.2 7034.4 1.2946-0.3 19966.1 2991.0 3622.5 13.45 .0006 102.2 7034.4 1.2946-0.3 19966.1 2991.0 3622.5 13.45 .0006 102.2 7034.4 1.2946-0.3 19966.1 2991.0 3622.5 13.45 .0006 102.2 7034.4 1.2946-0.3 19966.1 2991.0 3622.5 13.45 .0006 102.2 7034.4 1.2946-0.3 19966.1 2991.0 3622.5 13.45 .0006 102.2 7034.4 1.2946-0.3 19966.1 2991.0 3622.5 13.45 .0006 102.2 7034.4 1.2946-0.3 19966.1 2991.0 3601.0 3601.0 3601.0 3601.0 3601.0 3601.0 3601.0 3601.0 3601.0 3601.0 3601.0 3601.0 3601.0 3601.0 3601.0 3601.0 3601.	2.17	~ :	2992.1	3623.8	13.47	1050.	102.0	4.030	1.2956-63	3.47/E+06
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20055.9 2990.9 3622.0 13.97 0.506 102.0 703.5 1.2946-0.3 20055.9 2990.9 3622.0 13.97 0.506 102.0 703.5 1.2946-0.3 20055.3 2990.9 3621.7 13.97 0.506 102.0 7033.3 1.2946-0.3 20055.3 2990.7 3621.2 13.97 0.506 102.0 7033.3 1.2946-0.3 20055.3 2990.7 3621.2 13.97 0.506 102.0 7033.3 1.2946-0.3 20055.3 2990.7 3621.2 13.96 0.506 102.0 7033.1 1.2946-0.3 20055.3 2990.7 3621.2 13.96 0.506 102.0 7033.1 1.2946-0.3 20055.2 2991.9 3621.4 13.96 0.506 102.1 7033.1 1.2946-0.3 19955.6 2991.9 3621.4 13.96 0.506 102.1 7033.1 1.2946-0.3 19955.6 2991.9 3622.0 13.96 0.506 102.2 7033.4 1.2946-0.3 19955.0 2992.0 3622.0 13.96 0.506 102.2 7033.4 1.2946-0.3 19956.0 2993.3 3622.0 13.96 0.506 102.2 7033.4 1.2946-0.3 19950.2 2993.3 3622.0 13.95 0.506 102.2 7033.4 1.2946-0.3 19950.2 2993.3 3622.0 13.95 0.506 102.2 7033.6 1.2946-0.3 19950.2 2993.3 3622.0 13.95 0.506 102.2 7033.0 1.2846-0.3 19960.2 2993.3 3622.0 13.95 0.506 102.2 7033.0 1.2846-0.3 19960.2 2993.3 3622.0 13.95 0.500 102.2 7033.0 1.2846-0.3 19960.2 2993.3 3622.0 13.95 0.500 102.2 7033.0 1.2846-0.3 19960.2 2993.3 3622.1 13.95 0.500 102.2 7033.0 1.2866-0.3 19960.2 2993.3 3622.1 13.95 0.500 102.2 7033.0 1.2866-0.3 19960.2 2993.3 3622.1 13.95 0.500 102.2 7033.0 1.2866-0.3 19960.2 2993.3 3622.1 13.95 0.500 102.2 7033.0 1.2866-0.3 19960.2 2993.3 3622.1 13.95 0.500 102.2 7033.0 1.2866-0.3 19960.2 2993.3 3622.1 13.95 0.500 102.2 7033.0 1.2866-0.3 19960.2 2993.0 3622.1 13.95 0.500 102.2 7033.0 1.2866-0.3 19960.2 2993.0 3622.1 13.95 0.500 102.2 7033.0 1.2866-0.3 19960.2 2993.0 3622.1 13.95 0.500 102.2 7033.0 1.2866-0.3 19960.2 2993.0 3610.3 13.96 0.500 102.2 7033.0 1.2866-0.3 19960.2 2993.0 13.96 0.500 102.2 7033.0 1.2866-0.3 19960.0 102.2 7033.0 1.2866-0.3 19960.0 102.2 7033.0 1.2866-0.3 19960.0 102.2 7033.0 1.2866-0.3 19960.0 102.2 7033.0 1.2866-0.3 19960.0 102.2 7033.0 1.2866-0.3 19960.0 102.2 7033.0 1.2866-0.3 19960.0 102.2 7033.0 1.2866-0.3 19960.0 102.2 7033.0 1.2866-0.3 19960.0 102.2 7033.0 1.2866-0.3 19960.0 102.2 7033.0 1.2866-0.3 19960.0 102.2 7033.0 1.2866-0.3 19960.0 102.2 7033.0	5.66		7.167	3053.	77.51	000	0.701	7034.4	50-1467	3.4266+00
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20065.9 2990.9 3621.7 13.47 10506 102.0 7033.5 1.2946-03 20065.3 2990.8 3621.4 13.97 10506 102.0 7033.1 1.2946-03 20065.3 2990.8 3621.2 13.96 102.0 7033.1 1.2946-03 20025.8 2990.9 3621.2 13.96 102.0 7033.1 1.2946-03 20025.8 2990.9 3621.1 13.96 102.0 7033.1 1.2946-03 20015.6 2991.0 3621.2 13.96 102.0 7033.1 1.2946-03 20015.6 2991.0 3621.4 13.96 102.0 102.1 7033.1 1.2946-03 19965.9 2992.3 3621.4 13.96 102.0 102.2 7033.4 1.2946-03 19965.0 2992.3 3622.3 13.96 102.0 102.2 7033.4 1.2946-03 19965.0 2993.3 3622.9 13.96 102.2 7033.4 1.2916-03 19965.0 2993.3 3622.9 13.95 10506 102.2 7033.4 1.2916-03 19965.0 2993.3 3622.9 13.95 10506 102.2 7033.4 1.2916-03 19965.0 2993.3 3622.9 13.95 10506 102.2 7033.6 1.2916-03 19967.7 2993.3 3622.9 13.95 10506 102.2 7033.6 1.2916-03 19967.7 2993.3 3622.9 13.95 10506 102.2 7033.6 1.2916-03 19967.7 2993.3 3622.9 13.95 10506 102.2 7033.6 1.2916-03 19967.7 2992.1 3622.9 13.95 10506 102.2 7033.6 1.2916-03 19967.7 2993.3 3622.9 13.95 10506 102.2 7033.6 1.28166-03 19967.7 2993.3 3622.1 13.95 10506 102.2 7033.6 1.28166-03 19967.1 2996.0 3611.7 13.95 10509 102.2 7033.6 1.28166-03 19967.1 2996.0 3611.7 13.96 102.1 7032.1 1.28166-03 19968.6 3611.7 13.96 105.0 7022.7 7033.5 1.28166-03 19968.6 3611.7 13.96 105.0 7022.7 7033.5 1.28166-03 19968.6 29967.5 3611.4 13.96 105.0 7022.7 7032.7 1.28166-03 19968.6 3611.7 13.96 105.0 7022.7 7032.9 1.28166-03 19968.6 3611.7 7032.0 7022.7 7032.7 1.28166-03 19968.6 3611.7 7032.0 7022.7 7032.5 1.28166-03 19968.6 3611.7 7032.0 7022.7 7032.7 7032.6 703	3.97	۰ ۸	0,1957	3000		000	102.0	7033.4	1.744.103	4.4255
20056.3 2990.8 3621.4 13.97 .0506 102.0 7033.1 1.294E-03 20046.3 2990.7 3621.2 13.96 .0506 102.0 7033.1 1.294E-03 20055.8 2990.9 3621.1 13.96 .0506 102.1 7033.0 1.294E-03 20015.6 2991.0 3621.4 13.96 .0506 102.1 7033.1 1.293E-03 20015.6 2991.9 3622.0 13.96 .0506 102.2 7033.7 1.292E-03 19996.1 2991.9 3622.0 13.96 .0506 102.2 7033.7 1.292E-03 19996.2 2992.3 3622.0 13.96 .0506 102.2 7033.9 1.291E-03 19996.0 2993.1 3623.1 13.95 .0506 102.2 7033.6 1.291E-03 19997.4 2993.3 3622.9 13.95 .0506 102.2 7033.6 1.291E-03 19997.5 2993.3 3622.9 13.95 .0506 102.2 7033.6 1.291E-03 19997.7 2993.3 3622.9 13.95 .0506 102.2 7033.6 1.291E-03 19912.2 2993.1 3622.9 13.95 .0506 102.2 7033.6 1.291E-03 19912.4 2993.2 3622.9 13.95 .0506 102.2 7033.6 1.291E-03 19912.4 2993.3 3622.9 13.95 .0506 102.2 7033.6 1.291E-03 19912.4 2993.3 3622.9 13.95 .0506 102.2 7033.6 1.291E-03 19912.4 2993.3 3622.9 13.95 .0509 102.2 7033.6 1.291E-03 19912.4 2993.3 3622.9 13.95 .0509 102.2 7033.6 1.291E-03 19912.4 2993.3 3622.9 13.95 .0509 102.2 7033.6 1.291E-03 19912.4 2993.4 3620.1 13.95 .0509 102.2 7033.6 1.291E-03 19912.4 2993.6 3620.1 13.95 .0509 102.2 7033.6 1.291E-03 19912.4 2993.7 3620.1 13.95 .0509 102.2 7033.6 1.291E-03 19912.4 2993.8 3620.1 13.95 .0509 102.2 7034.6 1.291E-03 19912.4 2993.8 3620.1 13.95 .0509 102.2 7034.6 1.29	4.23		6.0664	3621.7	7.7.6.7	20.00	102.0	7033.5	E0-447	3.4746+06
2005-6 2990.7 3621.2 13.96 .0506 102.0 7033.1 1.294F-0.3 2005-6 2990.7 3621.1 13.96 .0506 102.0 7033.1 1.294F-0.3 20015-6 2991.0 3621.1 13.96 .0506 102.0 7033.1 1.294F-0.3 20015-6 2991.0 3621.4 13.96 .0506 102.1 7033.4 1.293F-0.3 20015-6 2991.0 3621.4 13.96 .0506 102.1 7033.4 1.293F-0.3 19995.6 2991.0 3622.0 13.96 .0506 102.2 7033.4 1.292F-0.3 19995.6 2992.3 3622.3 13.96 .0506 102.2 7033.4 1.292F-0.3 19951.4 2992.3 3622.3 13.96 .0506 102.2 7033.4 1.292F-0.3 19951.4 2992.3 3622.3 13.95 .0506 102.2 7033.4 1.291F-0.3 19951.4 2993.3 3623.2 13.95 .0506 102.2 7033.4 1.291F-0.3 19921.4 2993.3 3622.9 13.95 .0506 102.2 7033.6 1.291F-0.3 19920.4 2993.3 3622.9 13.95 .0506 102.2 7033.6 1.291F-0.3 19920.4 2993.3 3622.9 13.95 .0506 102.2 7033.6 1.289F-0.3 19920.4 2993.3 3622.9 13.95 .0509 102.2 7033.6 1.289F-0.3 19960.4 2993.4 3621.1 13.95 .0509 102.2 7033.6 1.289F-0.3 19960.4 2993.4 3621.1 13.95 .0509 102.2 7033.9 1.289F-0.3 19960.4 2991.4 3621.1 13.95 .0509 102.2 7033.9 1.289F-0.3 19960.4 2997.4 3621.1 13.95 .0509 102.2 7033.9 1.289F-0.3 19960.4 2997.4 3621.1 13.95 .0509 102.2 7033.1 1.289F-0.3 19960.4 2997.4 3621.1 13.95 .0509 102.2 7033.9 1.289F-0.3 19960.4 2997.4 3621.1 13.95 .0509 102.2 7033.9 1.289F-0.3 19960.4 2997.4 3621.1 13.96 .0509 102.2 7033.9 1.289F-0.3 19960.4 2997.4 3621.1 13.96 .0509 102.2 7033.5 1.289F-0.3 19960.4 2997.5 1.289F-0.3 102.0 702.9 702.9 702.9 1.289F-0.3 19960.4 2997.5 1.289F-0.3 102.0 702.9 702	05.4		8.0562	3621.4	13.47	0500	102.0	7033.3	1.7945-03	3.4235+06
20025-8 2990.9 3621.1 13.96 .0506 102.0 7033.0 1.293F-0.3 20025-8 2990.9 3621.1 13.96 .0506 102.1 7033.0 1.293F-0.3 20025-8 2990.9 3621.4 13.96 .0506 102.1 7033.1 1.293F-0.3 20015-6 2991.3 3621.4 13.96 .0506 102.1 7033.1 1.293F-0.3 19986.1 2991.9 3622.0 13.96 .0506 102.2 7033.4 1.292F-0.3 19986.1 2991.9 3622.0 13.96 .0506 102.2 7033.4 1.292F-0.3 1995B.0 2992.6 3622.9 13.96 .0506 102.2 7033.9 1.292F-0.3 1995B.0 2992.9 3622.9 13.96 .0506 102.2 7033.9 1.292F-0.3 1995B.0 2993.3 3622.9 13.95 .0506 102.2 7033.9 1.291F-0.3 19920.0 2993.3 3622.9 13.95 .0506 102.2 7033.6 1.290F-0.3 19920.0 2993.3 3622.9 13.95 .0506 102.2 7033.6 1.289F-0.3 19920.0 2993.3 3622.9 13.95 .0509 102.2 7033.0 1.289F-0.3 19912.2 2993.3 3622.9 13.95 .0509 102.2 7033.0 1.289F-0.3 19912.0 2992.1 3621.1 13.95 .0509 102.2 7033.0 1.289F-0.3 19912.0 2991.4 3620.1 13.95 .0509 102.2 7033.0 1.289F-0.3 19912.0 2993.1 3621.1 13.95 .0509 102.2 7033.0 1.289F-0.3 19912.0 2993.1 3621.1 13.95 .0509 102.2 7033.0 1.289F-0.3 19912.0 2991.4 3621.1 13.95 .0509 102.2 7033.0 1.289F-0.3 19912.0 1.289F-0.3 1927.0 1.289F-0.3 19912.0 102.2 7033.0 1.289F-0.3 19912.0 1.289F-0.3 1927.0 1.289	4.17		2290.7	3621.2	13.46	9000	102.0	7033.1	1.294F-03	3.473E+06
20015.6 2990.9 3621.1 13.96 .0506 102.1 7033.0 1.293E-03 20015.6 2991.0 3621.4 13.96 .0506 102.1 7033.1 1.293E-03 20015.5 2991.6 3621.4 13.96 .0506 102.1 7033.4 1.292E-03 19995.6 2991.6 3622.3 13.96 .0506 102.2 703.4 1.292E-03 19976.9 2992.3 3622.3 13.96 .0506 102.2 703.4 1.292E-03 19959.9 2992.9 3622.9 13.95 .0506 102.2 703.4 1.292E-03 19959.1 2993.3 3622.4 13.95 .0506 102.2 703.4 1.291E-03 19951.2 2993.3 3622.1 13.95 .0506 102.2 703.4 1.291E-03 19951.2 2993.3 3622.1 13.95 .0506 102.2 703.4 1.291E-03 19951.2 2993.3 3622.1 13.95 .0506 102.2 703.4 1.291E-03 19970.0 2993.3 3622.1 13.95 .0506 102.2 703.4 1.291E-03 19970.4 2992.6 3622.1 13.95 .0509 102.2 7034.6 1.291E-03 19971.2 2993.3 3622.1 13.95 .0509 102.2 7034.6 1.291E-03 19970.4 2992.6 3622.1 13.95 .0509 102.2 7033.9 1.286E-03 19970.4 2990.6 3619.0 13.96 .0509 102.2 7033.9 1.286E-03 19870.4 2990.6 3619.0 13.96 .0509 102.2 7033.9 1.286E-03 19870.6 2997.8 3620.1 13.95 .0509 102.2 7033.9 1.286E-03 19870.8 2987.8 3620.1 13.95 .0509 102.2 7033.9 1.286E-03 19870.9 2997.8 3610.4 13.96 .0509 102.2 7033.9 1.286E-03 19870.9 2997.9 1 3.900.0 13.96 .0509 102.2 7033.9 1.286E-03 19870.9 2997.9 103.9 102.0 702.9 1.286E-03 19870.9 2997.9 1 3.900.0 13.96 .0509 102.2 7033.9 1.286E-03 19870.9 2997.9 1 3.900.0 13.96 .0509 102.2 7033.9 1.286E-03 19870.9 2997.9 1 3.900.0 13.96 .0509 102.0 702.9 1.286E-03	5.05		7.0662	3621.1	13.96	.0506	102.0	7033.0	1.2936-03	3.421E+06
20015.6 2991.0 3621.4 13.96 .05ub 102.1 7033.1 1.293E-03 20015.5 2991.3 3622.4 13.96 .05ub 102.1 7033.4 1.292E-03 19995.6 2991.9 3622.0 13.96 .05ub 102.2 7033.4 1.292E-03 19976.9 2992.3 3622.3 13.96 .05ub 102.2 7033.9 1.292E-03 19976.9 2992.3 3622.4 13.95 .05ub 102.2 7033.9 1.291E-03 19965.1 2993.1 3623.1 13.95 .05ub 102.2 7033.6 1.291E-03 19965.2 2993.3 3623.1 13.95 .05ub 102.2 7033.6 1.291E-03 19977.4 2993.3 3622.9 13.95 .05ub 102.2 7033.6 1.291E-03 19977.5 2993.3 3622.9 13.95 .05ub 102.2 7033.6 1.291E-03 19977.6 2993.1 3622.9 13.95 .05ub 102.2 7033.6 1.281E-03 19978.6 2993.1 3622.9 13.95 .05ub 102.2 7033.6 1.281E-03 19978.6 2993.1 3622.9 13.95 .05ub 102.2 7033.6 1.281E-03 19978.6 2993.7 3622.9 13.95 .05ub 102.2 7033.6 1.281E-03 19978.6 2993.7 3622.9 13.95 .05ub 102.2 7033.6 1.281E-03 19978.7 2993.8 3621.1 13.95 .05ub 102.2 7032.9 1.281E-03 19978.8 2987.8 3620.1 13.95 .05ub 102.2 7032.9 1.281E-03 1988.6 2987.6 3615.3 13.96 .05ub 102.1 7022.0 1.281E-03 1988.6 2987.5 3616.3 13.96 .05ub 102.1 7022.7 1.281E-03 1988.6 2987.5 3616.3 13.96 .05ub 102.0 7022.7 1.281E-03	5.34		6.0662	3621.1	13.96	0050.	102.1	7033.0	1.293E-03	3.470E+06
200055 29913 36214 13.46 .0906 102.1 7033.4 1.2986-0 19995.6 2991.9 3622.0 13.46 .0906 102.2 7033.4 1.2986-0 19996.1 2992.3 3622.3 13.46 .0906 102.2 7033.4 1.2986-0 19976.9 2992.3 3622.3 13.45 .0906 102.2 7034.4 1.2986-0 1995.4 2993.3 3622.4 13.45 .0906 102.2 7034.6 1.2916-0 1995.4 2993.3 3622.4 13.45 .0906 102.2 7034.6 1.2916-0 1995.4 2993.3 3622.4 13.45 .0906 102.2 7034.6 1.2916-0 1995.7 2993.3 3622.4 13.45 .0906 102.2 7034.6 1.2916-0 1995.7 2993.3 3622.4 13.45 .0906 102.2 7034.6 1.2916-0 1995.7 2993.2 13.45 .0906 102.2 7034.6	59.63	20015.0	0.1465	3621.2	13.96	.0506	10%.1	7033.1	1.2936-03	3.419E+06
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19927.7 2993.2 3622.9 13.45 .0505 102.2 7034.4 1.2895-0.3 19920.0 2993.0 3622.5 13.45 .0505 102.2 7034.0 1.2885-0.3 19920.0 2993.0 3622.5 13.45 .0505 102.2 7033.0 1.2885-0.3 19904.2 2992.1 3621.4 13.45 .0504 102.2 7032.9 1.2885-0.3 19445.0 2991.4 3620.1 13.45 .0504 102.1 7032.0 1.2865-0.3 19487.4 2990.6 3619.0 13.46 .0504 102.1 7031.1 1.2865-0.3 19468.6 3616.3 13.46 .0503 102.0 7028.7 1.2855-0.3 19688.6 3616.3 13.46 .0503 102.0 7028.7 1.2855-0.3 19868.6 3616.3 13.46 .0503 102.0 7028.7 1.2855-0.3 19688.6 3616.3 13.46 .0503 102.0 7028.7 1.2855-0.3	6.43	19935.4	2993.3	3623.1	13.95	9050	102.2	7034.6	1.2895-03	3.404E+06
19920.0 2993.0 3622.5 13.95 .0505 102.2 7034.0 1.28485-03 19912.4 2992.1 3621.9 13.95 .0505 102.2 7033.5 1.28485-03 19912.4 2992.1 3621.9 13.95 .0509 102.2 7032.9 1.28485-03 19846.0 2991.4 3620.1 13.95 .0504 102.1 7032.0 1.2865-03 19887.4 2990.6 3619.0 13.96 .0504 102.1 7032.0 1.2865-03 19867.4 2989.6 3615.3 13.96 .0503 102.0 7028.7 1.2855-03 19868.6 3615.3 13.96 .0503 102.0 7028.7 1.2855-03 19958.6 2987.5 3614.6 13.96 .0502 107.0 7027.5 1.2855-03	8.75	19927.7	2983.2	3622.9	13.45	.0505	102.2	7034.4	9	3.403E+06
19912.2 2992.6 3621.9 13.95 .0505 102.2 7033.5 1.288E-03 19904.2 2992.1 3621.1 13.95 .0504 102.2 7032.9 1.287E-03 19904.2 2992.1 3621.1 13.95 .0504 102.2 7032.9 1.287E-03 19897.4 2990.4 3620.1 13.96 .0504 102.1 7032.0 1.286E-03 19867.4 2990.6 3616.3 13.96 .0503 102.0 7029.9 1.285E-03 19868.6 3616.3 13.96 .0503 102.0 7028.7 1.285E-03 19858.6 2987.5 3614.6 13.96 .0502 102.0 7028.7 1.285E-03	70.6	19920.0	2993.0	3622.5	13.45	.050	102.2	7034.0	î	3.402E+06
19904.2 2992.1 3621.1 13.95 .05u4 102.2 7032.9 1.287E-03 19496.0 2991.4 3620.1 13.95 .05u4 107.1 7032.9 1.287E-03 19496.4 2991.4 3620.1 13.96 .05u4 107.1 7031.1 1.286E-03 19878.3 29894.6 3617.7 13.96 .05u3 102.0 7029.9 1.285E-03 19868.6 3616.3 13.96 .05u3 102.0 7028.7 1.285E-03 19868.6 2987.5 3614.6 13.96 .05u2 107.0 7028.7 1.285E-03	4.4	19912.4	2492.6	3621.9	13.95	.0505	102.2	7033.5	?	3.401E+06
19496.0 2991.4 3020.1 13.95 .0504 102.1 7032.0 1.286E-03 19887.4 2590.6 3619.0 13.96 .0504 102.1 7031.1 1.286E-03 19878.3 2949.6 3613.7 13.96 .0503 102.0 7029.9 1.285E-03 19868.6 3616.3 13.96 .0503 102.0 7028.7 1.285E-03 19868.6 2987.5 3614.0 13.96 .0502 102.0 7027.5 1.285E-03	7.12	-	2992.1	3621.1	13.95	*0CO*	102.2	7032.4	1.2876-03	3.400E+06
19887.4 2990.6 3619.0 13.96 .0504 i02.1 7031.1 1.286F-0.3 19678.3 2989.6 3617.7 13.96 .0503 102.0 7028.7 1.285F-0.3 19868.8 2988.6 3616.3 13.96 .0503 102.0 7028.7 1.285F-0.3 19858.8 2987.5 3614.8 13.96 .0502 102.0 7027.5 1.285F-0.3	10.04	19496.	2991.4	3620.1	13.95	♦ 0<0.	102.1	7032.0	1.286E-03	3.3995.06
1967A.3 2989.6 3617.7 13.96 "0503 102.0 7029.9 1.285E-03 3. 19868.8 2988.6 3616.3 13.96 "0503 102.0 7028.7 1.285E-03 3. 19858.8 2987.5 3614.8 13.96 "0502 102.0 7027.5 1.285E-03 3.	10.34	19887.4	4.0662	3619.0	13.46	.0504	102.1	7031.1	1.2866-03	3.399E+06
1946e+6 2988.6 3616.3 13.96 ,0503 102.0 7028.7 1.285E-03 3. 19858.b 2987.5 3614.¢ 13.96 ,0502 102.0 7027.5 1.285E-03 3.	10.64	-	2989.6	3617.7	13.96	.0503	102.0	4.6507	1.2855-03	3.398E+06
19858.6 2987.5 3614.6 13.96 .0502 102.0 7027.5 1.285E-03 3.	10.99		2988.6	3616.3	13.96	.0503	102.0	7028.7	1.2856-03	3.398E+06
	11.31	19858.6	2987.5	3614.6	13.96	200€	102.0	7027.5	1.2855-03	3.398E+06

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AVEFAGE

	15 001	•	76E. 4	•		•	•	•	•	1 0 0		1588	4. 62H	4.680	4.730	4.791	•	•	4 1 0 4 0 1	•	100 0	7.410	5.404	5.514	5.423	5.716	5.42Z	056.0	h.073	7.704	0.360		D. 77H	1.934	1.100	7.781	.48	, , , , , , , , , , , , , , , , , , ,	8.080	4.514	1.554	d. 785	7 40°	7.15.		7 7 7	10.0	10.133	11.155	11.523	11.04.
	15 TW	74.16	79.16	74.25	19.29	14.29	74.32	74.37	74.77 74.77	044	7 5 3	74.60	79.62	79.66	79.73	79.80	79.84	79.88	× × × × ×	000	90.00	80.27	HO.37	80.44	80.51	80.61	80.72	80.79	80.88	00.19	41.00	81.36	81.48	81.64	81.75	81.88		87.38	87.53	86.74	46.58	H 4.10	83.30	4	1 7 7 7	00.0	74.46	84.74	84.98	85.26	45.54
	14 ubn1	4.645	4.040	0.0.4	040.4	4.647	4.630	4.034	4.636	4.033	4.0	4.639	4.637	4.643	4.640	4.648	4.651	4.661	7 10 4	6000	4 6 6 6 6	4.670	4.673	669.4	4.718	4.721	4.714	4.730	4.744	197.5	7 1 1 1	4 - 4	4.776	4.779	072.4	4.745	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4.847	4.646	4.838	6.845	4 - 7 - 4	4.920	o~> .	4 °	7 4 7	7 1 1 7 1 4	****	4. V. I	4.927	\$:6·4
	1 4 T E	19.61	7.0	74.7	79.1	79.7×	79.8.1	30.00	70.0	70.07	05.62	40°08	80°0¢	HO.0H	80.13	8c. Lx	7 000	60°22	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	, c	x x x x x x x x x x x x x x x x x x x	, ,	4.00	74.08	80.5×	80.54	80.60	86.6	•	00.7	001			16.08	5	•	20.00			•	-:	81.27	: .	٠.		• -		•	-	81.00	H . 7.
	T3 000T	4.386	4.375	4.367	4.363	4.366	4.341	4.330	# 10 m	27.7.4	4.230	4.199	4.16	*.12	4.043	4.01	3.962	3.919	3.040	7.7.5	1 40	4.605	3.53%	3.485	3.430	3.364	3.300	3.236	3.171	401.5	5.000	7.04.7	2.74d	6.717	7.635	₹.543	004.2	7. KBB	2.19B	2.128	790.2	1.968	606°I	1.864	1.605	7 4	700.1	1.588	1.526	1.493	1.443
61/51/5	13 TW	19.06	74.06	76.17	74.21	14.61	79.26	79.30	24. 25.	70.07	74.41	44.7	77.44	14.44	75.4B	79.50	74.50	94.07	10.67	10.7	79.47	79.47	74.47	79.45	77.44	79.45	74.43	04.57	74.38	70.38	000	74.33	74.68	14.27	79.20	79.14	7.7	40.77	20.77	74.47	78.43	70.06	6 × 1	7 × 10	77.87	20.4	10.2	74.50	74.51	71.44	74.41
2/10/19-12/12/19	T2 GDO.	27.119	27.Uh3	27.014	27.035	27.054	26.927	200.00	76.871	2001	705.07	26.424	26.642	26.165	156.45	75.847	25.045	25.579	000000	25.034	74.40	24.622	004.42	24.619	23.549	23.690	23.420	23.173	22.bh8	0.00	207.10	364.17	21.169	20.15	70.334	14.47	770.0	18.600	18.401	18.050	17.127	17.289	16.975	16.637	וסירט. ניגנו	12, (21		, 5			20
Tr 51 1	TZ T#	126.34	120.62	20.00	129.12	127.40	129.62	124.15	06.621	13001	38.081	130.61	130.75	130.89	•	131.03	131.17	131.31	131.40	34.16.	131.74	131.74	131.H1	131.84	131.95	131.95	136.09	134.09	136.04	131.95	00.10.	131.88	131.81	131.81	131.74	131.60	131.03	131.17	131.03	130.84	130.68	130.54	130.39	130.65	1 2001	2000		169.40	ъ.	129.05	158-91
SHARF 1.0 MN	11 anut	61.043	66.475	040.040	990.99	67.100	607.09	00.480	040.10	67.741	67.157	67.314	67.416	67.616	167.19	67.P74	670.00	906.308	0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	200	7+7-40	67.4.49	64.49	69.014	70.055	70.098	70.237	70-07	70.746	71 135	7.	71.488	72.030	72.253	76.614	73.066	74.201	74.707	75.105	115.61	76.463	76.784	181.11	124.77	76.164	74.47	70.760	79.180	75.100	14.460	74. 241
THE MMOCOUPLE S	11 1*	<11·10	211.81	07.77	213.30	<13.79	<14.21 	27.417	712.34	615.71 616.33	216.76	417.47	211.75	218.32	<18.812	219.45	10.022	200.022	() H C	10.111	75%	223.55	224.12	224.68	225.53	226.10	22h.81	247.52	80.022	00.07	204.74	26*627	230.49	<31.34	232.19	233.18	734 . 50	235,16	235.72	236.71	54.162	238.41	55.45.	20 - 24 V	30.147	0111	1.0	22.442	4	n	240.442
IAL THE HM	63 0001	3.606	3.622	0.00 0.00 0.00	3.679	3.702	3.727	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	70.4	3.044	3.879	3.916	3.955	3.996	4.039	4.086	40 T • 4	4.186	7.7.4	0000	4.4.4	4.500	4.576	4.658	4.745	4.8 JB	4.939	2.047	5.162	10.00		5.717	5.881	٠,	6.243	744.0	0.000	7.117	7.368	7.633	7.910	007.H	500.0	618.0	L	7 2 3	10.14	10.55	10.533	11.313	11.694
CO-AX	52 900T	3.823	3.622	028°	1.614	3.618	3.617	3.617	4 0 × 1	3.610	3.816	3.817	3.819	3.621	3.824	3.627	3.632	3.63/	240	4.45	400.5	3.874	1.683	3.894	3.905	3.917	1.924	~ # D = F	3. VUT	707	7 7	4.012	17000	740.4	4.05	4.071	000	4.112	4.124	. I.3	٠,	5.		• 3	7		2			4.217	.61
WTH 1333	61 9001	•	4.035	4.00.4	100.4	3.984	3.965	7	7.7	J. T. C.	3.825	3.788	3.747	3.703	3.656	3.605	155.5	3.493	3.45.6	3.301	3.234	3.156	3.094	3.006	2.926	₹.84×	2.762	2.677	165.2			2.244	2.157	2.072	1.52.	- 400 - 400 - 400	1.747	1.669	1.596	1.520	1.455	1.36h	1.05/	1.646	1.00.1	4	1010	1.073	1.045	1.020	1.004
£ 7.	ALPHA	*0	* u	5 9	80.	7.	**	<u> </u>	***	97	74.	14.	.68	9.	64.	1.07		7.3	7.	6.	2,13	4E - 7	2.55	7.11	3.00	3.23	7.4.6	3.72	 	0 1	~ ~ ~ ~	50.4	46.1	۲.63	£ 6.4	. v	. 4	7.15	7.47	1.14	н.11	m 1	0 6	~ c	~~~	40.0	10.36	10.68	10.99	11.31	11.02
Ž	111	٠ • د ٥		3	23	127.	Ę,	,	, ·	7	Ş	ş,	Ę,	, c64	¥97.	~ !	<u> </u>	χ. Σ	, x	3	765	1.002	1.00	1.010	1.01	1 c	1.622	1.627	1.4	1.00	4		1.51	1.55	1.60	400.1	1.77	1.75	1.081	1.08-	- OB -	۳ . څخو ا		101	2 -	3		1.122	1.12.		٠ <u>۱</u> . ا

1 Z	41014	(1)	-	101	¥ .	4213	1115	376	4.5	201
<u> </u>		2	2	2			L 1			1111
.134	11.43	19637.0	25E2.	3611.7	13.76	2000.	101.	7.4.3	L. 7847-03	3.398E • U
.143	12.24	19825.5	2484.3	3610.3	13.46	1050.	101	1623.6	1.283!-03	3.34HE+0+
.141	12.55	19413.0	29H3.4	3608.9	13.46	TOSO.	¥.101	7666.	1.2835-13	3.348E+0
.151	16.01	19600.2	2987.5	3607.0	13.75	1000.	101.8	7071.4	1.2631-03	3,34/6+06
.154	13.15	19787.0	2961.8	3606.5	13.46	1000.	101.7	70501	1.2836-03	3.3475.00
.160	13.46	19773.3	2461.2	3605.6	13.46	9000.	101.7	7619.	1.CHZE-03	3.396E+06
.164	13.75	19754.3	2780.7	3604.8	13.76	9950.	101.7	7038.4	1.2026-03	3.345E+0
.164	14.05	19744.9	6.0845	3604.1	13.96	0000.	101.7	7014.3	1.282t-03	3.34E+0
.172	14.34	19730.5	2960.1	3603.6	13.95	0000.	101.7	7017.5	1 . 2 to 2 t - 03	3.343E+06
.17.	14.63	19715.4	2979.8	3603.1	13.45	0040.	101.7	7017.3	1.2815-03	3.342E+0
.180	14.92	19700.3	2474.6	3002.6	13.95	0040.	101.7	7010.	1.c81F-03	3.340E+0
.18.	15.60	19684.5	2974.3	3604.0	13.45	.050	101.7	7616.3	1.280E-03	3.344E+0
.180	15.47	19664.3	2778.6	3601.2	13.45	6540.	101.7	7015.7	1.2801-03	3.347E+0
.193	15.74	19653.0	24742	3000.2	13.45	4×+0.	101.7	7014.A	1.2795-03	3.386E+0
161.	15.99	19637.0	2717.5	3548.8	13.45	5540.	101.7	7013.6	1.2791-63	3.385£+0
.201	10.24	19621.3	2975.9	3546.4	13.45	2640.	101.6	1412.0	1.2708-03	3.385E+0
. 205	10.42	19604.7	27.14.5	3544.6	13.95	.0440	101.6	4007	1.2781-03	3.385E+0
200	16.70	14588.3	2572.0	3591.6	13.55	7.440	101.5	7007	1.4775-03	3.3A5E+0
*17.	16.41	19571.4	2769.3	3587.9	13.45	9640.	101,3	700407	1.2775-03	3.387E+U
¥17.	17.11	19554.4	2966.0	3583.5	13.96	0440.	101.2	70005	1.2776-03	3.3H4E+0
.225	17.30	19537.3	2962.1	3578.3	13.46	4440.	101.0	6996	1.2761-03	3.34£+0
.22¢	17.46	19520.1	2957.6	3572.3	13.56	4540.	1001	4.0659	1.6766-03	3.396E+
96å	17.61	14502.9	2752.4	3565.6	13.47	5740.	100.6	6785.1	1.2778-03	3.401E+0c
.234	17.74	19465.1	2944.7	3558.4	13.47	1640.	100.3	6576.7	1.2776-03	3.40HE+
₽ €<	17.86	19468.7	4.0462	3550.0	13.58	3743.	1001	6571.0	1.2785-03	3.415E+0
.243	17.95	19451.8	2933.6	3541.2	13.98	484O.	#* 5.5	0.4440	1.27bt-03	3.4735+06
142.	10.04	19435.3	242h.3	3531.0	13.49	. U+db	£.	4.07.00	1.2808-03	3.431E+06
.251	18.11	19414.1	291H.5	3521.8	13.44	10.0.	97.1	6947.3	1.2815-03	3.44.36.0
75%	14.16	19403.3	2910.5	3511.5	14.00	0440.	£. £.	4.8649	1.2821-03	3.454E+0
52	18.19	19387.9	2902-1	3500.0	14.01	. 0405	4.85	1.6259	1.2846-63	3.466E+0
. 263	18.21	19373.0	2893.5	3489.8	14.01	*0+0*	44.1	6919.5	1.2005-03	3.479E+(
AVENAGE	14.	19614.7	7.1945	3578.9	72.47	0440	0.101	3	1.7801-0	4.4041+04
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	15 - 001	12,195	14,556	12.888	13.230	13,574	13,433	14.28H	14.618	14.973	15,336	15.660	16,007	16,355	16.692	17.025	17,354	17.493	18,017	18.31	14.585	14.01	19.075	14.270	19.443	19.573	14.675	14.14	19. +0%	19.175	14.764	19.705
	TS TW	85.90	86.18	86.51	86.48	87.24	87.58	87.92	86.26	88.62	88.93	87.48	89.66	90.03	***	90.81	91.26	91.69	95.08	94.76	16.26	93.34	93.73	94.11	94.55	96.46	95.30	95.64	95.98	96.33	96.63	96.92
2/10/79-12/12/79	Tobo T	968.4	0.8.4	4.877	4.875	4.870	4.866	4.849	4.850	4.568	4.878	4.860	4.566	4.857	4.861	4.648	4.639	4.832	4.822	609.4	4.746	40104	4.772	4.762	4.743	4.722	4.711	4.702	D70.7	4.666	4.619	4.647
	3 L + L	81.11	81.72	81.72	81.1x	81.60	81.85	81.68	81.97	81.94	81.57	62.02	82.0	82.03	82.1n	82.1	82.14	82.24	82.2	92.24	82.24	82.31	82.3.4	82.34	82.3 c	14.58	82.4	82.44	4.79	82.5n	62.54	82.5
	Todo ET	1.407	1.374	1.326	1.292	1.260	1.231	1.206	1.181	1.167	1,157	1.134	1,128	1.11/	1.104	P+0.1	1.096	1.091	1.086	1.085	1.075	1.076	1.07>	1.076	1.068	1.067	1.069	1.065	1.064	1.053	1.065	1.069
	T3 TW	74.38	78.29	74.27	78.24	76.21	78.14	78.10	76.07	78.05	77.98	77.54	77.74	77.91	77.84	71.63	77.63	77.80	77.76	17.73	77.13	17.70	11.04	77.63	77.63	77.61	11.57	77.54	77.54	77.54	77.50	77.47
	12 GD0T	13.894	13.649	13.316	13.023	12.149	12.489	12.230	11.698	11.673	11.486	11.170	10.965	10.75	10.552	10.350	10.144	10.029	9.653	¥.078	7.540	714.4	4.Cx2	4.1.4	410.5	164.8	B.584	8.7.4	8.7Hb	299.0	6.027	4.567
TEST	12 1×	126.62	124.55	128.34	126.13	127.85	127.63	161.42	121.21	127.00	126.86	120.64	120.43	126.15	156.01	125.79	125.56	125.37	125.23	125.02	124.80	12*•54	124.38	124.24	124-10	123.95	123.14	123.60	123.46	123.25	123.11	173.03
SHARFFOWN	11 arot	79.525	174.47	74.995	80.705	80.503	80° + 0 +	940.18	61.157	497.18	61,413	81.594	81.964	82.158	86.211	446.28	296.28	82.38	82.363	54.254	406.28	82.131	86.013	161.19	41.656	41.460	81.241	444.00	80.771	80.193	74.956	17.554
CO-AXIAL IMEMMOCOUPLE S	11 14	61.7.2	248.04	24B.74	244.31	250.16	251.01	251.86	75.502	253.27	254.12	254.83	255.68	<56.35	25/010	44.707	258.65	25% 50	69.462	260.63	Zb1.34	261.41	74.292	263.18	263.75	44.45	464.48	265.45	266.15	266.33	267.00	267.43
	63 abot	12.087	12.478	12.869	13.258	13.645	14.027	14.402	14.755	15.126	15.471	15.804	16.121	16.422	16.705	16.970	17.614	17.437	17.638	17.616	17.571	18.103	18.211	18.296	18.356	16.344	18.407	18.403	18.375	18.327	18.261	18.177
	62 GUOT	4.220	4.220	4.219	4.611	4.2.4	4.210	4.206	4.201	4.195	4.189	181	4.174	4.165	4.154	4.147	4.137	4.124	4.11	4.104	240**	4.080	4.003	4.055	4.042	4.024	4.014	555°E	3. YE4.	3.769	3.953	3.936
WTR 1333	61 9001	066.	.980	٠٩٢٤.	.973	.976	785.	266.	1.005	1.021	1.034	1.055	1.002	1.105	1.130	1.156	1.183	1.204	1.235	1.262	1.287	1.312	1.335	1.357	1.377	1.395	1.411	1.425	1.437	1.447	1.455	1.460
104	AI PHA	11.93	12.24	12.55	12.85	13.16	13.46	13.76	14.05	14.34	14.63	14.92	15.20	15.47	15.74	15.99	14.24	14.48	14.70	14.91	1/.11	17.30	17.46	17.61	17.74	17.86	17.50	14.04	14.11	14.16	14.19	14.41
z ā	41.4	1.134	1.143	1.147	1.151	1.155	1.16	1.164	1.16	1.172	1.17	1.160	1.18	1.184	1.193	1.197	1.001	1.00-	1.07.	1.714	1.11	1.227	1.22+	1,230	1.734	1.234	* *\	1.241	1.751	1.254	1.754	1.763

		50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	- n n n n n n n n n n n n n n n n n n n	######################################	T 3 4 3 1 4 4 1 1 4 4 1 1 4 4 1 1 4 4 1 1 1 1	7. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	15 51 5.7516-04 5.7516-04 0.7516-64 0.7561-04 0.7561-04
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						10.00000000000000000000000000000000000		6.1076-04 6.1656-04 7.1926-04 7.1926-04	5.751t -04 5.751t -04 5.754t -04 5.754t -04 5.805f -04
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			60000000000000000000000000000000000000		, , , , , , , , , , , , , , , , , , ,	4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4	* 0 1	1. 40 dr - 04	5.742E-114
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					77777777777777777777777777777777777777	Us + €000F + 0 × Us + ₹3 EF + 0 × Us + ₹4 CE + 0 × Us + ₹4 VEF + 0 × Us + ¥4 VEF + 0 × Us + ¥4 VEF + 0 ×	*01000	4.183£-04	5. 748F-(14
			4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		7777777777	4.4848-03 6.7708-03 6.7498-03 4.7308-03	5.6691-04	4.181t-u4	±.79.2€-(1+
			00000000000000000000000000000000000000		777777777 303333333	5.844E-03	5.014F-04	0.17ch-14	
			00000000000000000000000000000000000000		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3. H4VE-0'4	5.00cf -04	154E-04	1.00ct - 04
			0.000000000000000000000000000000000000		, , , , , , , , , , , , , , , , , , ,	4-7-456-03	40-4474	40-444	10.6
			0.000000000000000000000000000000000000		, , , , , , , , , , , , , , , , , , ,		1011101	40-3171.	1 X 0 X 1 0 4
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••••		• • • •	**************************************		201	3. /631-04	534	A.U.A.	5. (3ct =04
			******************		カコーレルオロ・ナ	3.1776-03	5.5456-04	1. とかもれーにも	5.72F-04
			*0-1+56.4		. 7	3.170E-0.4	5-16-46-6	7. × 7.0E-(14	5.701E-04
					2	3. /4/E-04	#.554F-U4	1.14/4.IA	5.721F-04
	_		4.527E-04		Ŧ	3.7.0F-0.4	5.5K4F-04	1. VE4E-04	5.7236-04
		* = =	4.921E-04			3.7405-03	5.0046-04	1. JAKE-04	5.720F-04
		40-	4.7125-04			3.747E-0.3	5.6135-04	とっとなるに もじゅ	5.74vE-04
	_	-	4.915t-04	4.5-38-C-4		3.730f-03	5.6081-04	5.404E-114	5.726E-04
• • •	-	-	4.914E-04			3.1346-03	5.630F-04	40-1040.4	7 TE
• •		4	4.9146-04		~ ,⁺	3.7301-03	5.650F-04		ě
•			4.914E-04			3.7606-03	5.6461-04	40-UCXで・1	5.734F-04
			4.41pf = 04		7.082F-U3	3.724E-03	5.6516-04	7.78BE-04	4
	_		4.71 BE -04	.019E-04		3. /2cf - 63	5.65UF -04	7.992E-04	5.7416-04
		4	4.921F-04		ຠ	3./1/F-US	5.65*6-0*	7.490E-04	5.734E-04
			4.423E-04		7	3.7171-0.4	5.6601-04	5.443E-04	5.74vE-04
		+0-	4.927E-04		Ŧ	3./046-03	5.657F-04	5.470E-U4	5.732E-04
35 .59 n			4.930E-04			3.0404-03	5.654F-04	7.968E-04	5.734E-04
		-	4.933E-04		'n	3.640F-03	5.644F-04	4. Vént-04	5.729E-04
		-	4.936F-04	4.638£-04		3.5746-03	5.63bf -04	5.955E-04	5.717E-04
		-	4.434E-04	4.439E-04		3.475E-03	5.03lt-04	5-4415-04	5.709E-04
		4()-	4.9416-04	4.039E-04	6.407F-U3	3.c68f-03	5.614F-04	1.439E-04	5.70 dE-04
	.06 5.20UE	40-	4.9446-04	4.039E-04	'n	3.655E-0.4	5.598F-04	5.9.34E-04	5.6966-04
			4.945F-04	4.630E-04	4.941F-U3	3.644F-0.4	5.596t -04	5.975E-04	5.6756-04
42 ,613		5.207t-n4 4	4.947E-04	4.036E-04	77	3.637E-03	5.589E-04	5.716E-04	5.659E-04
43 .623	.06 5.21	-	4.948F-04	4.6345-04	N.912F-03	3.F.33E-03	5.583F-04	5.412E-04	5.657E-04
44624	.06 5.21	.212t-04 '	4.948E-04	4.631E-04	6.40eF-03	3.620E-U.	5.587E-04	5.905E-04	5.6538-04
45 .632	S	. <14E-n4 .	4.94BE-04	4.628E-04	8.891F-03	3.617E-03	5.587E-04	5.403E-04	5.635E-04
46 .636			4.44nE-04	4.625E-04	6.8M9F-U3	3.415E-U3	5.58YF-04	5.915E-04	5.632E-04
049. 24	J	•	4.94HF-04		.5)	3.604E-01	5.576F-04	5.407E-04	5.6166-04
\$ \$ \$ \$ \$ \$	'n	.210E-04 4	*.9476-04	4.618E-04	8.867F-03	3.601E-03	5.5818-04	5.90bE-04	5.618E-04
	S	•	4.946E-04			3.596F-03	5.5866-04	5.913E-04	5.621F-04
59. 05	'n	-	4.944E-04		8.86dE-03	3.594E-0.5	5.590F-04	5.924E-04	5.627E-04
•	S	.216E-04 '	4.942E-04		ຈ	3.5946-03	5.5941-04	4.926E-04	5.624E-04
199. 25	.06 5.∠1	. 415E-04	4.940E-04	4.604E-04	8.45cF-03	3.586E-03	5.5808-04	5.910£-04	5.6136-04
3 .665		5.214E-04 4	4.937E-04	4.501E-04	8-860F-03	3.586E-03	5.589E-04	5.913E-04	5.6235-04
		_	4.434F-04			4.5HBF-03	5.604F-04	5.423F = 0.4	5.6355-00

	SUN AND	96 NTP	н 1333	STANTON NUMBERS	JFBtrs	CO-AXIAL 1	CO-AXIAL INERMOCOUPLE SHANEDOW: TEST	E SHANEUOR	er TEST	12/10/79-12/12/1	41/61
	1146	AL PHA		15 29	63 ST	11 51	12 51	13 51	T4 ST	15 51	
211	706	0.		4	*.535E-U4	595-03	3.4548-03	s.	5.642E-04	5.53cf-04	
715	o 76.	* 0.			4.554E-04	8.750F-03	3.451E-03	5.500F-04	1. 4356-04	5.5246-04	
€13	٠ ٠	.05	-	4.804E-04	4.5756-04	7111	3.4496-03	5.4401-04	たってがれーこま	5.519E-04	
*! ?	<u>ن</u> :	9		# * * C/t-04	4.5.46E-04	C-144F-03	50-3544.5 50-3544.5 50-3544.5 50-3544.5 50-3544.5 50-3544.5 50-3544.5 50-3544.5 50-3544.5 50-3544.5 50-3544.5 50-3544.5 50-354.5	5.460F-04	5.731E-04	5.5256-04	
212			0.001C-04	*0-140	*013774	20-10-12	V0110444	0.40CF-U4	40-31CP-1	5.0.30E=04	
217	120	: -		40-36-04 4-70-36-04	1013774	FO - 1357 - 0	20 - UF / 4 - 4	40-1004-C	40-3414-4	10.00	
218	433			4.79UE-04	4.710E-04	R. 741F-03	3.424E-0.4	5.4335-04	7-810E-04	5.575F=04	
617	930	~	4.914E	4.787E-04	4.743E-U4	/40F-03	3.4135-03	5.410F-04	5.015E-04	5-5431-04	
220	. 943	.3	4	*.784F-04	4.7795-04	r.747F-03	3.398E-0.4	5.3871-04	7.809£-04	5.62cF-04	
221	47.	.38	-	4.782E-04	4.817E-04	6-765F-43	3.5H9E-03	5.361F-04	5.415E-04	5.671E-04	
222	256.	14.	4	4.7AUE-04	4.857E-04	n.750F-03	3.3ndf-03	5.297t-04	c.801E-04	5.69bE-04	
223	¥54°	15.	*	4.778F-04	4. >01E-04	F.767F-03	3.356F-US	5.2554-04	F. HUDE-14	5.74CE-04	
554	. 460	Py.	*	4.77bt-04	4.347E-04	4.776F-U3	3.336F-03	5.2068-04	C. HU1E-04	5.790E-04	
552	*96*	.80	4.630E-04	4.776E-04	4.996E-04	60-3661-03	3.32vF-03	5.1535-04	L. 806E-04	5.851E-04	
226	. 46x	6.	•	4.779F-04	5.048E-04	0.80/F-U3	3.746E-03	5.077F-04	F. 799E-04	5.911E-04	
251	6/3.	1.07	4	4.782E-04	5.104E-04	H-828+-03	3.778E-U3	5.0165-04	9.407E-04	5.486E-04	
228	.977	1.23	3+F+	4.786F-04	5.154E-04	H. H45F-03	3.756F-U3	40-184K-4	~. 810t-u4	6.051E-04	
229	.981	φ 	4.361E	4.791E-04	5-227E-04	6.857-03	3.741E-03	40-176a-4	7.826E-04	6.156F-04	
230	. 40 c	1.50	•	** / 9 / E = 0 4	5.6456-04	50-10A8-0	3.00	4.8031-04	5.005E-04	A. 228E -04	
157) () () () () () () () () () (•	4.HU5E-04	5.368E=04	50-415614	20172E-0	*0-1021	5. d10E-04	************	
252	. 44.		40-37E0-4	#0-14-15-14	10.400.104	5011006	3.1/17-03	#0#10#0##	3.824E-04	D. 4 C C E = 0 4	
25.0		7	,	4 6 34 E 104	10-16-16-10-4 10-16-10-4	50-1100-1	20-14-1-6	* O - 10 - 10 - 1	*0-3020*C	#0-10:00 P	
4 4		0.0		40-30-CO-+	7 7 7 6 - 04	CO- 1400.2	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	#0-100C*#	#()=U100 X V	7475-04	
3.0	010-1	2,77	٦ ،	# 2 H 5 3 F - 0 &	5-817F-04	0 10/11/0	3.0.4E-0.3	40-3045-4	1.857F=04	0. 887F-04	
237	1.014	3.00		4.07bE-04	5.927E-04	9.125F-U3	3.0415-03	4.291F-04	5. KV4E-04	7.024E-04	
238	1.014	3.23		4.094E-04	6.040E-04	9.134F-03	3.004E-0.	4.205F-04	5.899E-04	7.14CE-04	
539	1.022	7.47		4.911E-04	6.173E-04	4.157F-03	2.970E-03	4.123F-04	5.HYBE-04	7.277E-04	
240	1.027	3.72		4.92bt-04	6.309E-04	7.195F-03	E0-3046-2	4.047F-U4	4.413£-04	7.438E-04	
24]	1.031	3.97		4.946E-04	6-456E-04	4.231F-U3	2.902E-03	3.964F-04	5.933E-04	7.5958-04	
245	1.035	4.23	L)	*.965E-04		9.2796-03	C. HOUE -03	3.881F-04	7.934E-04	7.7616-04	
243	1.034	4.50	T	4.984E-04		4.289E-03	Z. Blaf-03	3.7831-04	5.941E-04	1.9156-04	
244	1.043	4.77		5.003E-04	0.764E-04	4.334F-03	<-71776-03	3.699F-04	4.951E-04	8.097E-04	
245	1.047	٠, 05		5.022E-04	7-1556-04	9.366E-03	€.730E-03	3.597t-04	5.404E-04	4.280E-04	
240	1.051	φ		5.0416-04	7.362E-04	9.414-03	2.68BE-03	3.501E-04	7.978E-04	F. 4 AbE U.	
1 4 2	1.056	5		3.060E-04	7.583E-04	V.44/F-03	K.630E-03	3.399E-04	1.983E-04	r.689E-04	
0 40	1.000		Z.467E=(14	7.0037.04	1 4705 04	50-1244-7	6.385E-03	3.298F-04	1. VARE-04	8.899E-04	
750		61		3 1 4 5 1 0 4	4974-04	50-1700-6	C-33CE-113	3.1067-04	**************************************	9.119E=04	
251	1.072	46.4	٠,	5-1345-04	# 62 F-04	9-710F-03	C. 439F-03	40-17CE-7	40-15F-04	0.5145-04	
255	1.076	7.15		5.152E-04	8.971E-04	4.7945-03	C. 389F-03	2-d65F-04	4-074E-04	9-863F=04	
253	1.081	7.47		5.169E-04	9.238E-04	9.864F-03	2.339E-03	2.753F-04	A-073E-04	1.0135-03	
52	1.085	7.79	~	5.186E-04	9.5736-04	9.954F-03	2.295E-03	2.667t-04	4.091E-04	1.043E-03	
552	1.089	A.11	_	5.202E-04	9.925E-04	1.005F-02	2.255F-03	2.591F-04	~.139E-04	1.074E-03	
556	1.093	8.43	_	5.2186-04	1.0295-03	1.000F-UZ	<.200E-03	2.493F-04	4.153E-04	1.103E-03	
257	1.097	6.75		5.2345-04	1.058E-03	1.0146-02	Z-161E-03	2.420F-04	4.176E-04	1.13/E-03	
200	101	0.0	- -	24.35	1.1095-03	1.020F-02	6.119E-03	2.340F-04	191E-04	1.171E-03	
260		7.	10041	5.2766-04	1.1945-03	1.0201-02	Z.034F=03	2.144F=04	6.215E=04	1.50/E-03	
26.	1.11	10.04	-	5.284F-04	1 - 2 34F - 1	1.0305.02	2.007E-03	2.116F-04	A. 224F-04	1.2835-03	
262	1.118	10.36	-	5-301F-04	1.285E-03	1.040F-02	1.470F-03	2.05/F-04	1.228F-04	1.324F-03	
263	1.122	10.69	-	5.312E-04	1.333E-03	1.0465-02	1.9396-03	2.001F-04	4.237E-04	. 99 68	
564	1.126	10.99	_	5.321E-04	1.3A2E-03	1.0476-02	1.491F-03	1.926F-04	4.209E-04	1.410F-03	
592	1.130	11,31	_	5.3306-04	1.431E-03	1.054F-02	1.865E-03	1.8855-04	4.226E-04	1.458F-03	
566	1.135	11.62	1.268E-04	5.337E-04	1.481E-03	1.0546-02	1.8186-03	1.823F-04	h.206E-04	1.50uE-03	

	864 NOX	96 KTR	н 1333	STANTON NUMBERS	JMBEHS	CO-AXIAL)	THE F MUCOUPL	CO-AXIAL THEFMUCOUPLE SHAKEDOWN TEST	TEST	12/10/79-12/12/1
	ŧ.	AI PHA	61 51	62 ST	63 ST	11 51	12 51	13 ST	14 ST	15.51
267	1.139	11.93	1.252E-04		1.532E-03	1.0564-02	1.7H3E-03	1.780E-04 A	4.199E-04	1.5466-03
264	1.143	12.24	1.2416-04	5.347E-04	1.5038-03	1.0624-02	1.7536-03	-	h.1961-04	1.593E-03
563	1.147	12.55	1.735E-04		1.634L-03	1.065F-02	1.711E-0.4	1.680F-04 F	F.185E-04	1.6378-03
270	151.1	17.85	1.234E-114	5.351E-04	1.6456-03	1.0595-02	1.675E-03	1.6378-04 +	+.187E-04	1.641E-03
27]	1.155	13.16	1.2305-04	5.351F-04	1.755-03	1.0745-02	1.640E-0.3		4.144E-04	1.727E-03
272	1.150	1 4.45	1.247E-U4	5.3506-04	1./H5E-03	1.0721-02	1.608F-03	1.5631-04 6	F.1H3E-04	1.7735-03
273	1.164	13,76	-		1.834t-03	1.0835-02	1.5756-03	1.531F-04 F	40-140F-04	1.82UE-03
274	1.162	14.05	1.2776-04	5.3435-04	1.082L-03	1.0451-02	1.533E-03	1.50lf-04 A	4.137E-04	1.8636-03
275	1.172	14.34	1.2718-14		1.929E-03	1.09UF-02	1.505F-03	1.483E-04 F	f.195E-04	1.909E-03
276	1.176	14.63	1.3216-04	5.333E-04	1.9746-03	1.095F-UZ	1.481E-0.4	1.472F-04 +	+.210E-04	1.955E-03
211	1.180	14.92	_	5.326E-04	2.017E-03	1.094F-02	1.441E-03	1.4435-04	.191E-04	1.9996-03
278	1.18.	15.20	1.377E-04	5.320E-04	2.059E-03	1.099E-02	1.4156-03	4	F. 202E-04	Z.045E-03
274	1.189	15.47	1.400E-04	5.3135-04	2.099E-03	1.1035-02	1.3895-03	1.4231-04 .	207E-04	Z.091F-03
2 H U	1.193	15.74	1.4416-14	5.306F-04	2.13bt-03	1.10502	1.364F-03	1.408F-04 6	f. 205E-04	<.130E-03
241	1.197	15.33	1.476E-34	5.299E-04	2.174E-03	1.1005-02	1.340E-03	1.40ct-04 A	~.195t-04	2.161E-03
245	1.201	14.24	_	5.2926-04	2.20nt-03	1.10aF-02	1.3191-03		4191E-04	2.226E-03
283	1.20%	16.40	1.5476-04	5.2K6E-04	2.24UE-03	1.111F-02	1.3016-03		4.190E-04	2.2735-03
442	1.204	14.70	1.5846-04		2.2/0E-03	1.1135-02	1.290E-03	1.391F-04 +	1 . 1 × 7 E = 114	2.318E-03
585	1.214	14.91	1.020E-04	5.276£-04	2.241k-03	1.1145-02	1.259E-03	1.392F-04 +	4.142E-04	2.341F-03
28b	1.214	17.11	1.h55E-04		C.322E-03	1.116F-UZ	1.544E-03		- 179E-04	<-401E-03
787	1.222	17,30	191E-04	5.26HE-04	<.345t-03	1.1185-02	1.2316-03	1.3876-04 A	4.176E-114	P.441E-03
284	1.424	17.46	1.7256-04	5.255E-04	<.365E-03	1.1195-02	1.210t-(13	1.3956-04 4	4.1/6E-04	2.477E-03
5 ₩?	1.630	17.61	1.7586-04	5.262F-04	<.346-03	1.1205-02	1.2045-03	1.39504 +	+ . 1 AUE - 04	7.510E-03
062	1.234	17.74	1.744E-04	5.259E-04	2.347E-03	1.121F-02	1.196E-03	1.38bf-04 -	~.1/1E-04	2.534F-03
241	1.239	17.86	1.4186-04	5.256E-04	Z**09E=03	1.1265-02	1.1 ABE-03	1.390F-04 h	103E-04	2.563E-03
242	1.243	17.95	1.4441-04	5.253t-04	2.414E-03	1.1236-02	1.177E-03	1.397F-04 A	6.166t-U4	2.545F-03
593	1.247	1 4.04	1.369E-04		6.425t-03	1.122F-02	1.148E-03	1.3971-04 +	F.173E-04	2.602F-03
\$57	1.251	14.11	1.490E-04		2.430E-03	1.1241-02	1.171F-03	1.400F-04 h	A.18HE-04	7.018E-03
۲۶.	1.254	12.16			2.431E-03	1.1205-02	1.1585-03	1.389F-04 F	4.164E-04	2.624E-03
462	1.254	14.19	_		2.430E-03	1.120F-02	1-1576-03	1.407E-04 F	F.175E-114	<.631E-03
747	1.263	12.21	1.438E-04	5.2336-04	2.427E-03	1.1165-02	1-1535-03	1.419F-04	4.119E-04	<.631E-03

E118 497		WTH 1333	CU-AXI	CO-AXIAL THEMMUCOUPLE SHAKFNOWN TEST	OUPLE SHA	KFNOWN TES		46751761-66701751	112/74	
1111	ALPHA	9	10	101	MACH	NII	TINE	UINF	RHOINE	HEINE
041.	10.14	19247.4	2630.5	3104.5	14.75	.0453	47.1	6631.2	1.3548-03	3.942E+06
4	10.15	14305.3	2636.9	3172.5	14.74	*U * D *		96 18 . 4	1.3556-03	3.436E+06
٠ ا ا	10.14	19321.4	2643.1	3180.3	14.63	7.40.	87.7	5645.4	? '	3.431E+06
ر. در در	71.01	19335.3	1.5402	3.181.0	77.51	A 0 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	D	1.2400	10.4561	3.4765.06
رد. د		14340.0	4 0 4 4 6	0.000	14.61	7040	2 2 2	0.000	1 36 45 03	3,9775
101.	10.00	14304	2000	7 4068	14.00	7 4	000	6670	1.3645-03	3.9185.00
0 40 0 40	70.0	19361	2671.4	3217.4	14.17	200		7.0100	1.3675-03	3.41.F+0h
17.	10.07	19361.4	2676.7	3222.0	14.15	0.71	9.6	C-2890	1.3705-03	3.909E+06
77.	10.06	19354.0	2682.2	3224.6	14.14	4/40.	0.06	66860	1.3735-03	3.906E+06
. +82	10.05	19356.8	2087.7	235	14.12	.0417	4.05	2.4609	1.377E-03	3.904E+06
. 486	10.04	19355.9	2693.4	3242.2	14.11	.040.	7.05	6700.3	1.381E-03	3.90ZE+06
26r.	10.03	19351.5	2694.2	3249.4	14.09	*0*0*	91.5	6.0019	1.3856-03	3.901E+06
76 v.	10.02	19350.6	2705.3	3256.8	14.07	9640	91.6	6713.0	1.3696-03	3.900E+06
461.	10.01	19351.7	2711.5	3264.4	34.05	. 0 + 4 K	42.0	07170	1.3946-03	3.894E+06
£04.	10.00	19355.2	2717.9	3272.3	14.03	97.	4 0 0 0 0 0	6726.5	1.3995-03	3. H98E+06
	o .	19361.5	2/24.5	3280.4	14.01	0000	92.9	6733.6	1.403E-03	3.897E+06
1	G 0	19370.6	2/31.1	3288.	13.99	4050	'n.	V.04/0	1.4086-03	3.896E+06
51 C		19386.4	2751.8	3697.1	86.61	0000	8.00	2.84.0	1.4137-03	3.895E+06
¥ 1 4 7	, d	6.94641	275.0	3300.4	0.4.6	3150	V • • •	6,000	1.41/1-03	3.8945.00
101	3	10401	2767.3	3301.7		77.6		6769.7	1.4245103	3.035C-00
200	2	10445.4	2763.5	1300	13.62		90.00	6776.5	1-4275-03	A BRUE + OF
. 6.36 6.36	. 5	19463.6	2769.3	33.7°C	10.61	1,5	45.7	0.4474	1.4305-03	1. Barreto
9	00.0	19474	2774.7	334.7	13,61			786.0	1.4326-03	3.000C
	6 6	1046	2779.7	3350.1	3.40	200		6794.6	1.434F-03	A. KROF + Ob
	9.90	19503.1	2784.3	3355.8	33.68	0.033	96.5	6799.6	1.4356-03	3.876€+06
.552	06.4	19510.4	2788.4	3361.0	13.88	EECO.	96.7	6804.1	1.4365-03	3.872E+06
. 57	68.6	19514.0	2792.0	3365.5	13.E7	.034	6.96	6608.1	1.436E-03	3.868E+06
.661	9.da	19513.8	2725.2	3369.5	13.67	.0535	47.1	6811.6	1.4365-03	3.863E+06
,46£	¥.0.3	19509.7	2798.0	3372.9	13.46	. 0535	97.5	68]4.5	1.4365-03	3.859E+06
464.	7. B.	19502.2	2600.5	3375.9	13.86	.0536	97.3	6617.1	1.435E-03	3.854E+06
F / 4.	P :	1.16461	2802.1	3376.4	13.E1	.0536	4.70	6619.3	1.434E-03	3.849E+06
	, d	19478.9	7804.0	3,380.7	2 - C	0.00	37.5	642103	1.4345-03	3.844E+06
204.		0 0 0 0 0 0	0000	33056	13.60	75.00		005300	1.4335-133	3.0395.00
004	, d	10434.7	7.0000	4.4366	10.01	0.47	4	6 4 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1-432E=03	3.0345.00
464	9.85	19423.2	2811.4	33866	13.54	85.00	6.76	68289	1-4316-03	3.825E+06
96√.	9.45	19413.4	2813.2	3340.4	13.83	95.00.	98.0	6829.7	1.4315-03	3.821E+06
.702	9.85	19407.3	2815.1	3392.7	13.83	.053B	98.1	6831.7	1.4306-03	3.818E+06
.707	9 B C	19405.7	2817.1	3395.4	13.83	46.00	98*3	6633.9	1.4305-03	3.815E+06
711	3	19409.3	2819.3	3398.0	13.42	0240	4.00	6836.3	1.430E-03	3.812E+06
517.	* J	9.81.461	2621.1	3401.1	13.62	040.	0 × 0	0.6580	1.430E-03	3.810E+06
601		19453	2427	4046	13.70	1400	0 0	00460	1.4315.03	3 8045 406
727	9	19481.0	2000	3417	73.42	1 4	0.00	4444	1.4315=03	3.805F+06
731	9.8¢	19512.3	2832.7	3415.9	13.82	.0543	98.9	6652.1	1.4316-03	3.804E+06
.736	9°6	19547.6	2835.7	3420.0	13.82	.0544	0.66	6855.8	1.4326-03	3.804E+06
.740	₹8.5°	19585.9	2838.7	3424.3	13.82	.0544	99.1	6659.5	1.4326-03	3.803E+06
144	3 0	19626.1	2841.6	3426.5	13.62	.0544	99.1	6863.3	1.432E-03	3.802E+06
.748	40.0	19666.7	2844.6	3432.6	13.83	. c. 4.0.	99.5	6867.0	32E-0	3.802E+06
26/	, 1 10 10 10 10 10 10 10 10 10 10 10 10 10	19706.5	4.1.00	3436.7	13.83	2440.	666	9.07.0	1.432E-03	3.801E+06
40/		1.44/61	1.002	0.0440	13.63	0 · 0	5.66	0.4/80	31E-0	3.7995+06
10/•	000	•	1.202	3444.6	13.64	2450	***	5.790	31E = 0	3.798E+06
04.		19901	2867	2 4 4 6	13.04	1		5 0000	104500-05	30.1905.00
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AVEHAGE		19460.3	2766.9	3334.1	13.95	.0516	95.1	6780.5	1.413E-03	3.861E+06

	15 ADOT	8.517) () () () () () () () () () (H. 490	8.505	d.514	4 4 4 4 4	9,528	8.530	8.562	4.564	4.584	4.40¢	0.00 to 1.00 t	2 0	0 T	3,175	8.HZ2	40H. H	J40.8	4.007	9.101	£ 1 4 3	0 4 6 7	200	0.00	424.	125.6	9.419	4.457	4.707	9.713	7.7.7	9,745	4.767	700.7	4000	0 7	4. x2a	4.437	4.870	LTT.	4.913	•	7.66.	•		10.03		10.050
	_		• ⋅	82.55	•		TO 1		_	Λ.		.0	so i		0		۰.				84.63	84.74	80 0	24.34	85.48	85.52	85.62	85.77	85.91	86.05	86.16	86.30	000	86.62	86.72	86.83	86.97	87.18	87,32	87.43	87.54	87.04	87.78	87.89	88.00	10.99	12.00	84.46	88.56	19.67
	14 QD01	4.103	\$ 105 901	4.119	4.138	4.154	4.159	4.202	4.218	4.245	4.267	4.303	4.336	0/00	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4.4	4.501	4.527	4.556	4.575	4.603	4.631	****	4.674	4 4 4	630.4	4.701	4.700	8.0.4	4.700	4.710	4.703	4.720	4.725	4.737	4.739	4.162	4-772	4.778	4.778	191.4	0 1 2 0	4.792	4.7.6	16/04	067.4	7.70	611.4	4.772	4.114
	7 T	77.05	77.16	77.17	17.64	77.27	77.40	77.47	77.51	17.57	17.64	17.73	77.77	11.00	77 07	78.07	76.07	78.1-	78.22	78.2	78.34	78.4	- C - C - C - C - C - C - C - C - C - C	78.63	78.7	78.7	76.87	78.87	78.9.	78.97	79.63	10.01	70.04	79.61	45.61	79.34	4.67	14.67	79.54	79.64	19.61	~	76.7	7. E. E.	70.6	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ 0 · 0 R	90.00	80.1	80.17
	T3 900T	1.505	000.1	1.514	1.521	1.527	1.526	1.544	1.550	1.559	1.565	1.573	1.581	1.092	160.1	C 0 0 0 1	1.611	1.614	1.624	1.624	1.631	1.637	7 40 ° 1	1.65.4	1.655	1.663	1.670	1.673	1.676	1.678	1.684	1.684	040	1.684	1.687	1.692	1.695	169.1	1.695	1.696	1.698	569	1.697	1.701	*0.4	1.103	707	1.708	1.703	1.705
2/12/19	T3 1W	خ د	73.94	73.99	74.02	74.01	74.03	74.09	74.11	74.13	74.17	74.20	74.20	17.47	07.42	74.28	74.30	74.33	74.35	74.38	74.38	14.47	***	14.47	74.51	. 4	74.53	4	4	4	4	74.53	* 4	74.70	74.70	74.74	7. 7.	74.77	74.61	74.82	74.84	74.84	70	٠ •	•	•	• •	74.48	÷.	75.01
2/10/79-12/12/79	12 QUOT	16.529	16:531	16.547	16.556	16.571	16.574	16.640	16.641	16.716	16.739	16.801	10.851	676-91	17.034	17.107	17.203	17.475	17.390	17.464	17.567	17.672	067.71	17.424	17.943	18.022	18.056	18.085	18.116	18.139	16.176	18-154	0/1-81	18-175	18.202	18.179	18.633	18.243	18.267	18.267	16.297	18.290	18.CH1	16.310	10.00	16.670	10.64	18.641	18.235	16.630
Test 1	12 Th	93.26	04.50	93.82	00***	81.46	74.47	94.85	95.10	45.27	95.45	95.63	40.00	V 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00.00	1000	96.96	91.16	97.36	97.57	47.Br	68.07	92.00	40.43	20.46	44.27	84.45	99.13	40.00	100.12	100.33	100.55	7000	101-11	26.101	101.50	89-101	102.10	104.28	104.46	104.63	104.85	103.06	103.23	74.70	103.09	40.00	104.08	104.26	70.
SHAKEDOWN	T1 000T	166.89	69.085	69.704	70.057	70.327	20.4.07	71.307	71.427	72,177	72.486	73.070	73.697	7. 501	75.006	76.04	70.00	205.11	78.153	10.401	19.190	79. AU3	771.08	00.00 04.7	740 75	81.326	91.168	81.385	91.390	81.381	61.493	515.18	91.40	61.317	81.446	81.267	91.436	61.610	_	-	_	82.104	· V	٠.	104.70	ů o	67.718	85°C	96.078	_
AL THERMOCOUPLE S	T1 Te	157.96	156.45	160.94	161.50	164.35	103.34	165.46	166.45	167.59	168.72	169.57	170.70	60.171	70.07	175.04	170.22	177.35	178.63	179.62	161.17	182.45	103.12	186.14	187.12	168.11	169.10	190.23	191.22	192.21	193.06	194.01	140.01	196.74	197.59	190.44	24.VV.	201.27	202.12	202.83	203.82	204.67	205.52	2002	00.102	700 TO 0	210-19	<11.04 <11.04	212.03	Z12.74
LIAL THERP	63 QD0T	7.292	1.0.4	7.179	7.152	7.131	7.104	7.106	7.111	7.123	7.140	7.164	7.194	1.664	716 7	7.303	7.416	7.472	7.530	7.590	7.652	7.114		7.901	7.962	8.021	8.078	8.132	8.184	8.233	8.278	8.320	707.0X	8-425	8.453	8.477	24.0	0.55 0.55	8.539	8.54B	8.553	8.557	# . 55	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	00000	0.44	20.00	6.5.b	H.534	675.0
CO-AX	62 abot	3.635	3.020	3.597	3.590	3.565	3.084	3.590	3.594	3.609	3.623	3.634	3.658	7000	200	3-754	3.782	3.810	3.840	3.869	769.	9.429	2000	4.014	040	4.065	4.089	4.111	4.131	4.150	4.107	281.4	4 7 7 5	4.215	4.222	4.624	4.636	4.235	4.235	4.633	4.231	4.227	4.623	4.617	212.4	4.205	4.193	4.146	4.189	4.173
WTH 1333	•	•		1.352	•	•			•	•	•	•	•	1.387	1.04	204-1	1.417	1.425	1.433	1.44]	744°	1.457	104.	1.471	1.483	1.489		167.1	•	1.505	1.508	1.510	11.5.1	1.513	1.513	1,513	1.513	1.511	1.509	1.508	1.506	1.505	1.503	1.502	1.500	100	164.1	1.491	1.495	1.495
164	_	0	0	10.12	0	0	9	0	0	0	c	c	10.02	10.01	0	100	16.6	96.6	6.65	45.0	5.43	9 ° °	2.0	3	05.0	78.7	99.6	98.7	4.87	7B.6	0 ° 7	2 0	0 T	9.85	4.85	58°	0 1	80	9.84	₽ R • 0	40.7	# T	40.0	7 3	0 1		9.00		9.85	4.85
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	15 00T	10.078	10.082	10.067	10.01	10.070	10.082	10.065	10.075	10,106	FO.097	10.105	10.101	10.154	10.	10,151	10,183	10.01	10.244	10.245	10.264	10.275	100 c	10.00	10.00	10.410	10.320	10.41-	10.401	10.363	10.334 24.01	10.325	10.343	10.351	10.374	10.354	0.0.01	10.40	10.43	10.413	10.424	10.02	10.433	10.44.4		114.01	-1,01	10.42	10.397	10.40
	15 TW	68.77	88.88	89.09	89.20	89-27	46.48	84.62	84.69	84.13	67.84	89.91	50.05	00.00	60.37	44.06	90.54	90.65	90.75	90.06	90.93	91.04	91.14	36.12	91.43	91.53	41.64	91.71	91.82	91.92	000	96.13	98.36	96.31	92.42	92.59 C	46.03	*	A. 7.	40.74	43.05	93.13	43.23	93.37		χ σ 4 · 1 7 · 3	93.69	43.73	93.80	93.90
	14 QUOT	4.773	4.776	4.7.9	4.603	4.616	4.827	4.00 to 4.00 t	4.041	4.648	4.848	4.850	040.4	0 - 4	1,7	4.821	4.872	4.812	4.611	407.4	4.7.4	4.743	14/4	2000	10844	4.011	4.618	4.617	4.619	0 4 9 4 0	4 4 4 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	4.0.0	4.862	4.871	4.835	4.876	100.	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4.400	4.014	0.53.4	259.4	4.0.4	m 3 2 3 4 4	F . 0 . 4	0.00.1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4.84	4.484	•
	14 1	80.22	2000 2000 2000	60.00	80.3	80.4	. 4 . 0 . 1	0.00	80.6	80.64	80.74	80.BO	3 . 0 0 0 0	0 3	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1.0.00	81.02	81.0a	81.1	81.1.	71.19	81.62	51.6	10.10	77.70	81.4-	61.4	81.5	81.5-		0 7 7	61.7	•		•	<u>٠</u> :	7 7	82.01	82.01	82.1	42.1-	44.17	84.41	20078		36.34	. 4.58 82.4:	44.58	62.4-	16.28
	T3 obof	1.708	1.710	77.7	1.711	1.70%	1.714	1.717	1.718	1.723	1.723	1.728	1.720	734	1.73*	1,735	1.735	1.736	1.742	V - 7 - 7	1.139	1.740	1.746	1 - 7 4 4	1.744	1.743	1.740	1.748	1.745	0 1 1 4 0	1.764	1.750	1.750	1.758	1.701	1./60	10101	102.	1.761	1.746	1.746	1.762	1.705	1.755	1.70	74.	1.763	1.761	1.751	1.7.1
2/12/75	T3 TW	75.04	75.03	75.07	75.10	75.10	75.11	75-17	75.17	72.18	15.20	75.22	75.62	77.47	75.30	75.49	75.30	75.33	75.36	75.35	15.47	75.40	70.45	7.4.07	75.46	75.47	75.47	75.48	75.51	40°C		75.56	15.09	4c.c/	7.00	73.04	00.47	10.0	77.69	17.12	75.71	75.73	57.67	7	7	70.77	72.86	77.41	75.82	72.47
47/21/21-62/01/21	1000 21	14.210	18.212	18.149	16.199	18.208	16.634	18.212	18.230	18.261	16.240	16.273	16.63/	10.00	18.244	18.226	16.229	10.630	10.064	18.616	18.226	18.634	18.6.30	18.66	18.676	18.646	18.30	18.317	18.275	18.331	18.37	14.321	•	16.356	•	10.074	•	, 7		-	~	10.00	ı.	16.246	10.10	757 751	16.175	10.01	16.167	18.147
TEST		_	104.76		_	_			_	_		_					_	_	_	_					' -	_	_			-	10.40	,				•		•		-	-						::	114.4	116	114.
SHAKFOURN	1900 (1	360 EB	63.127	67.78	83.415	83.068	20	747.79	83.040	83.150	63.015	83.109	747.79	44.0	83,115	83.074	83.200	160.58	83.461	83.700	83.468	82.480	40.00	3 / 9 · F. R	63.04	83.701	83.259	100.58	65.740	1000	04: 45	P	8170	84.20E	H4.40n	20.00	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	70 40	H4. 363	34 + 5	94.180	17. 54	T	24 X	10.1	001.100	83.163	H3.730	43.435	33.45
THERMOCOUPLE S	3 T	213.44	27.417	<15.49 <15.49	216.84	Z17.69	04.0	70.07Z	420.50	441.51	K22.08	222.93	263.77	10.4	446.04	220.75	27.60		69.01	27.70	30.57				34.11	34.H]		36.23			00.000				646.17									カア・フォン			. 7	1.00	ς,	10.
IAL THEMP	63 QUUT	8.524	0.50° i	8.514	9.512	8.512	ם 1 1 1	8.018	8.523	4.56.8	8.536	8.545	640.5	471.1	4.541	8.605	•	H.634	9.000	4.065	19097	7000	77.	44/ · K	8.759	8.174	8.787	3.600	8.816	***	1 4 0 10 10 10 10 10 10 10 10 10 10 10 10 1	3.43	3. C. D. V.	4.805	1/0.9	•		700.0	400.0	4.034	100.0	1.000	0.837		•	• •	•	D	•	•
CC-AX		167	4.162	151	141	.143	139		.133	.132	.132	132		4	134	141.	4.144	4.141	4.151	4.156	001.	401.4	421-4	4 2 7 4	451.4	4.164	4.174	651.7	*****	2000	4.617	4.621	4.624	4.624	162.4	46.0	7	1.40	4.242	4.643	777.7	1.647	4.64	1 4 7 7	1 4 4	***	4 . 6 4 1	4.74	•	63
WTR 1333		•	1.495		•	•	•		•	•	•	•	•	•		•	•	•	•	•	•	•	•			•	1.541	•	•	1.040	1.540	1.541	1.541	1.5.6	1.540	1.034	, , , , , , , , , , , , , , , , , , ,	1.545	1.5.35	1.534	1.534	1.531	1.53e	, v.	16.5		1.566	1.52	1.524	1.564
164	ALPHA	58.5	98.0	99.0	D. J.	99.7	20 3	6.87	18.7	4.87	9.6	90	0 7	0 X	9.69	4.00	9.69	06.5	06.0	06.0	7.0	16.		2000	26.0	66.6	4.43	54.0	4 .	* * * *	50.7	24.	24.2	96.0	9.5	2 2	7.7.7	, J	14.0	D 7	E5.	20°	9 : 5 :	A 7	7	7	10.00	10.00	10.00	10.00
Ž.	¥.	.773	777.		.790	76/	1 0	Š	c [7.	٠, ٢	7 T 3 .	6	1		÷	441	1	.5	ξ.	ē,	10T.	0	277	10	. 40 1	7 TO X .	15.	1 0 1 ×	2.	•		\ \frac{1}{7}	. 123	125.	<u>ن</u> ر	֓֞֞֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓		, i	. 45.	٠.5،	į.	40.	ċ.	. 77	- 1		20,	***	150.	₹00° 1

REINF	3.642E+06	3.68dt +06	3.644t+06	3.679E+06	3.675E+06	3.67UE+06	3.667F+06	3.677E+00	3.645E+06	3.652E+06	3.6~UE+06	3.648E+06	3.64 /E+06	1.645F+0b	3.644E+06	3.643E+06	3.643E+06	3.642E+06	3.641E+06	3.640E+06	3.039E+00	3.634E+06	3.631E+06	3.678E+06	3.624E+06	3.620E+06	3.6165.06	3.606E+06	3.601E+06	3.546E+06	3.542E+06	3.5H7E+06	3.5746.06	3.575E+00	3.571E+06	3.568E+06	3.5636+06	3.561E+06	3.559E+06	3.557E+06	3.555E+06	3.554E+06	3.352E+06	3.549E+06	3.548E+06	3.547E+06	3.546E+06	3.544E+06 3.543E+06	7073677
PHOINE	1.4216-03	1.4206-03	1.4195-03	1.4185-03	-	1.410E-03	1.4154-03	414F	35	413	1.4128-03	1.412E-03	1.412F-03	1.4125-03	1.412E-03	1.412E-03	1.412E-03	1.4126-03	1.4126-03	1.411E-03	1.4115-03	1.410F-03	1.4106-03	1.409E-03	1.408E-03	1.40/6-03	1.4065-03	1.4046-03	1.4035-03	1.402F-03	1.400E-03	1.3995-03	1.3976-03	1.3966-03	1.3956-03	1.394E-03	1.3934-03	1.392E-03	1.391E-03	1.3916-03	9	1.3896-03	? ?	1.387E-03	1.386E-03	1.386E-03	1.3855-03	1.384F-03 1.383E-03	20-0404
HINE	X • 7 · 7 · 7	5.14Kg	1.2969	4.4960	1.0960	20,740	6.47.0	6.77.69	6774.4	6975.h	6977.0	6978.0	7.07.07	2000	6980.7	69H1.1	67-1.4	69H1.0	1.2469	0.7×2.0	1 1 2 2 2	6984.7	6945.1	65H6.H	7.8HV0	7.666	5 - 1 5 5 5 4	7. 43.30 0. 43.30	9.9649	6746.4	7.0007	7.007	7.00.407	7006.1	7007-2	7.004	7000	7.6007	7009.3	4.6007	7007.B	9.4007	7.6007	7008.2	7.007	1007.0	7006.2	7005.4	000
1.1.A	106.4	102.9	3 0 3 ° 0	10.4.1	103.1	7.501	103.4	103.5	103.5	103.6	103.6	103.7	103.7	0.00	103.8	103.8	103.9	103.9	103.9	707	0.401	10401	104.1	104.2	104.3	104.3	4.401	104.6	104.7	104.7	104.8	104.0	105.0	105.1	105.1	105.6	70.40	105.2	105.2	105.2	105.2	105.2	105.0	105.2	105.2	105.1	105.1	105.1	
7	1000.	. 0561	1000.	1050	.050	1000		tacu.	1000	1050.	1900.	2050.	50cu.	2000	9960.	.056	0.056	2050.	.0503	5000.	2000		. 0563	. Uses	.0503	.0563	. 410	.000	roco.	.000	.0563	5050		.0563	.0563	2050.	2000	.0562	.0562	1050.	. 0561	1950.	0000	0940	, 000 s	,0559	9650.	.0556 .0557	, , ,
r.A.r	13.76	13.10	13.76	13.76	13.76		7 4 7	13.75	13.75	13.75	13.75	13.74	13.74	4) - (13.74	13.74	13.74	13.74	13.74	13.74	13.43	12.0	13.73	13.13	13.73	13.72	13.76	13.72	13.72	13.71	13.71	13.71	13.71	13.71	13.71	13.7	13.70	13.70	13.70	13.70	13.70	13.70	13.70	13.70	13.71	13.71	13.71	13.71	
Tel	3534.5	3541.1	3546.7	3044.5	3546.6	3040°	7 . Villa 0.	3554.8	3556.6	3558.2	3559.6	3560.h	3561.8	3563.4	3563.4	3564.4	3564.6	3565.2	3565.6	3566.6	3767.6	3568.6	3557.8	3571.6	3572.8	3574.5	30/05	3580.5	3582.7	3584.6	3546.6	3588.6	3592.3	3593.7	3595.0	35,46.1	3597.5	3597.9	3596.1	3548.5	3598.1	3597.8	3547.4	3596.3	3595.6	3594.8	3593.9	3592.9	4
10	2927.7	2924.1	2430.6	2932.2	2933.9	2735.00 6.00 6.00 6.00	0.000	2940.5	2542.0	2943.3	4.4462	44644	2.44.2	7.64.0	2947.9	2944.3	2946.6	2747.0	5747.	T . C . C . C . C . C . C . C . C . C .	1,1476	275%	2953.0	2454.2	2955.5	0.7545	5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5	2762.1	2763.9	2765.6	2967.4	2969.0	2971.9	2973.2	2,14.2	2012	2976.5	2976.9	2477.1	2.11.2	2477.2	2477.1	2476.6	29162	2975.8	2,5762	2974.6	2974.0	0063
04	1.444.1	19883.4	19474.0	19854.3	19855.1	1,44,640	2000 T	19826.6	19826.2	19818.7	19816.2	19814.4	19813.6	100104	19810.3	19808.9	19800.9	19804.1	19800.5	19796.0	1974.	197761	19768.5	19754.7	19750.	19740.5	19730.4	19710.1	19700.1	19690.3	19680.9	19671.7	19654.4	19646.3	19634.3	19630.5	19615.6	19607.4	19599.5	19591.4	19583.0	19574.4	14555	19546.4	19536.4	19526.0	19515.3	19504.4	10717.7
ALPha	10.01	10.01	10.01	10.01	20.01	70.01	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10.01	10.03	10.01	10.04	10.04	10.04		10.05	10.05	10.05	10.04	10.04	40°01	Y0 - 01	10.01	10.06	10.06	10.04	10.04	10.01	10.05	10.06	10.06	10.06	10.01	10.05	10.04	10.01	20.01	10.05	10.06	10.07	10.01	10.07	10.01	10.07	10.07	10.04	10.09	10.08	10.01 10.01	4
H I	1.00.	1.010	1.01	× 11 - 1	1.022 1.022	1.064	100	1.039	1.043	1.041	1, 151	1.056	000.1	300	1.072	1.074	1.081	. OH.	580	5603	101	100	1.110	1.11.	1.1. 1.2.	1.122	1.164	1.135	1.13	1.143	1,147	1.151	1.160	1.164	1.165	7.1	1.180	1.184	1.189	1.193	1.197	1.201	1,209	1.214	1.218	1.222	1.224	1.230	AVELAGE

	-	0	10.387		10,376	10.399	10.391	10,385	10.409	10.440	10.423	10.440	4 4		1 1	10,457	3	•	10	4	3	S.	4 .	10.01	10.467	10.474	10.490	10.499	10.505	10.512	10.533	10.134	10.544	10,553	10.574	10.544	10.101	10.545	10.542	10.524	ا	10.01	764.01	•	. 4	•	. 4	•	⁴.	⁴.
	٠.	. 0	o -	~		6.	4 U	94.61	4.6	۴.٦	H .	٠. •	70.00	200	20,000	95,35	95,39	45.50	95.57	49.56	95.67	95.81	45.85	40.04 12.09	96.10	96.17	96.24	96.27	94.42	64.96	96.52	96.03	96.81	96.84	96.91	97.02	47.16	97.19	97.30	97.41	44.16	10.15	20.77	64.70	07 79	67.63	46.16	16.16	44.01	¥8.0A
	To QDOT	4.907	004.4		905.4	4.916	4.00	400.4	806.4	4.903	4.889	005.	1000	4 4 4 4	4.8.4	4.661	4.866	4.872	4.880	4.867	4.872	4.678	0/9.4	1991	4.883	4.683	4. 4 888	669.4	668.4	506.4	906.4	4 0	- 1.5.4 - 1.5.4	4.716	4.921	4 . 0000	- CO7 - 4	4.410	4.912	4.901	003.4	000	0/0-4	775	C 1	0.00	4.853	4.8-9	4.852	4.8.4
	14 T	82.55	24.04	82.66	82.71	82.7.	87. CE	82.84	79.28	85.9.	82.75	83.00	20.00		83.16	83.14	63.17	83.63	83.27	83.24	63.3	83.35	۲ . د د د د د د د د د د د د د د د د د د د	7. 4	93.55	83.53	83.54	83.6	83.63	83.67	63.71	2000	9.50	43.64	83.87	75°00	83.47	•	84.01	•	0.0 . €	7 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	/ [• • 0	- V - V - V - V - V - V - V - V - V - V	١,) () () () () ()	34.31	•	•	•
	13 0001	1.763	1.759	1.758	1.751	1.764	1.755	1.749	1.750	1.761	1.753	1.755	7,00	757	1.75	1.754	1.749	1.754	1.761	1.757	1.757	1.763	1.765	747	1.765	1.760	1.767	1.765	1.763	1.764	1.75	1.76	1.765	1.764	1.765	1.750	792	1.761	1.761	1.764	1.766	1.758	101.1	1.134	747	1,75	1.741	1.753	1.750	1.74%
2/12/79	~	r	υ·	J V.	Ð	v.	v v	75.47	£.	v	ε	70.03	0 1	20.07	70.07	70.07	76.07	76.11	76.12	76.11	76.12	76.16	16.17	76.18	70.60	76.24	76.22	16.64	16.20	76.27	10.20	76.40	75.33	76.31	•	•	75.47		70.41	74.42	70.40	70.41	•	44.47	•	• •	75.51	•	74.47	•
2/10/75-12/12/79	12 6001	10.633	18.182	18-167	10.14]	18.205	18-159	18.131	16.130	16.146	18.096	18.115	10.07	7	16.057	18.493	18.055	18.072	16.112	18.040	10.074	18.041	# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	140.40	16.063	18.062	18.058	18.061	18.001	18.0.8	18.013	10.01	18.042	18.035	10.054	966-71	17.474	18.004	17.997	17.947	17.945	74.434	116717	17.413	7.44.7	7.467	11.796	17.826	17.744	11.746
Tt ST 1	v	V 1	v۳	י י	7	າງ :	7 7	113.88	ຠ	*	*	•	8 4		• \$	*	ດ	Ω	Ω		4.	٠,		113.67	110.11	110.22	110.33	110.43	110.57	110.66	110.75	110.00	11/014	117.65	117.35	74.71	79.711	111.78	111.94	116.02	118.10	118.20		101	2017	118.73	110.04	110.94	117.00	115.16
SHAKEDOWN	11 1001	83,831	83.657	83.411	83,759	83.090	84. EU.	83.755	83.013	84.087	83.546	83.911	107.50		9.50	63.733	83.535	83.124	83.746	47.4.54	H3.469	8.3. A.R.	93.57	00.4	83.17	93.657	H3.674	83.644	65.711	83.717	83.782	00,10,1	63.746	٠,	40.0	64.63G	44,0	3.10	ň	'n	83. 20c	Ť	٠.	•		77	ıv	2.40	86.136	÷.
THERMOCOUPLE S	1. T	253.64	Z54.06	455.62	256,19	256.89	707.40	45.55	54.	259.72	260.43	261.14	11.102	- 4 - 1 - 1 - 1 - 1 - 1	707	264.11	£64.54	565.10	19.502	266.23	100 × 40	267.51	261.93	90.007	66%.63	<70.20 270.20	670.16	611.33	41.777	272.60	673.03	74. 40	274.87	215.29	670.00	74.017	94.77	270.12	670.55	619.11	219.54	260.39	74.002	107	30.727	76.787	62.292	663.50	663.93	66. +02
IAL THEKM	63 QDOT	8.660	20 1 20 1 20 1	0.00 0.00 0.00 0.00	8.855	8.854 	3. 3.0 3.0 3.0 3.0 3.0 3.0	8.857	468.8	4.861	8.864	200.0	0 1	10.1	0.00	27.R.D	Ď	ς.	•	414.8	•	· .	D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	. 7	00,400	444.0	9.900	x.355	3.50	8.973	Q	7 7 7	2000	5.784	4.445	x . 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.00	286.4	8.940	6.917	726°E	5 / J. S	70.00 10.00	10.101		20.00	2.4.17	5.730	H.963	8.914
C0-AX	62 0001	4.234	4.632	4.227	4.225	4.222	4.660	4.215	4.213	4.210	407.4	407.	CO2.4	0 0	007**	4.199	461.4	4.141	1.177	4.197	4.147	7 T - 4	4.197	741.4	4.199	4.198	4.19n	4.194	•	•	•	•	007.	•	•	•	• •	•	•	•	-:-	፣ -	: -	: -	: -	: -:	4.167	٦.	٦.	⁻.
WTR 1333	3	un.	ų,	יים חציר	ស	an i	υ, «		ຜ	v.	'n.	ຜູ													, ,																						1.513			
164	¥ م	2	9 9	0	10	2		=	10.	2	6.	<u>.</u>	2 2	-		9	10.	9	ċ	0.	<u>.</u>	ċ			9	=	Ċ	19	=	0 :	0 -	2 0	0	0.1	Č.		-	-	2	č	<u> </u>	6 1	-		-	-	10.08	10	7	<u>c</u>
ž	TIME	1.000	010.1	1.01H	1.022	1.027	1.031	1.034	1.043	1.047	1.051	1.054	300.		1.072	1.076	1.001	1.080	1.084	1.093	1.097	101	40.7	1 1 2	1.11,	1.122	1.126	1.130	1.134	1.134	1	15.	1.155	1.160	1.164	1.167	1.17	1.180	1.184	1.18%	-	1.197	•	•	1	. ``	1.222	1.224	1.23	1. × 3.

Y B	WTH 1333	CO-AXIA	CO-AXIAL THERMOLOUPLE SHAKENOWN TEST	OUPLE SHA	71 VEOUT	;	16/10/19=16/16/19		;
707		01	101	4A(F	7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	7010 7007	ANIONA FOLIATION	#EINF
9479.0		24/1.6	3544.5	13.11	9660.	104.9	7002	1.382f -03	3.5416+06
D. 24.46		2970.7	3588.2	13.71	9550.	104.5	7601.4	1.3016-03	3.540£+06
7.446		7.404.7	3586.6	13.71	. 0555	104.1	70007	1.3818-03	3.540£+00
943349		7.46.7	3585.4	13./1		407	7.45.0	1.3805-03	3.539E+06
0.7040		2766.0	3542.4	13.71	4000	104.7	6796.4	1.3795-13	3.538E+05
944.3		2765.6	3540.0	13.71	. 0553	104.7	9.6640	1.378E-03	3.5376+06
4380°7		2464.5	3579.3	13.71	eccu.	104.6	6443.4	1.3785-03	3.5365.06
\$ * 4995 \$ 10.00		2763.4	3577.1	13.71	JCC0.	104.6	6792.3	1.377t-03	3.5366+06
7.2456		2407.5	35/6.1	13.7	2000.	104.5	7.07.40	1.3761-03	3.535E+06
7 - 1010		7.77	3577.7	13.12	1000	(* * 0 T	1000	1,3755	3,535E*00
6.0000		7.77.70 7.70.70	3570.9	13.75	0000	104.4	4444	1.1756-0.1	3.533F+06
0.4426		2,7645	3558.4	13.72	3660.	104.3	6774	1 - 3 74 F = 0 3	3.5336+06
9270.9		275.6	3560.7	13.12	6450.	104.2	て・シェスの	1.3734-03	3.533E+06
4.6926		2953.8	3554.3	13.72	. 0548	104.1	6980.1	1.3736-03	3.533E+06
0.6454		2951.B	3561.5	13.12	.0548	104.0	69769	1.3728-03	3.5336+06
9234.2		5944.4	3554.3	13.72	1440.	103.9	4475.0	1.3726-03	3.5346+06
15.12.		5740.6	355.0	13.73	0440.	103.8	4.27.40	1.3716-03	3.536E+00
4205.5		2943.3	3550.3	13.73	C+CD.	103.6	1.0340	1.3714-03	3.549E+06
9141.0		2939.5	3545.3	13.73	.0544	103.5	0764.4	1.3716-03	3.542E+06
9174.2		2935.1	3539.6	13.74	5 c c c c	103.3	6474.5	1.3716-03	3.547E+06
1017		200.	3533.1	13. (4	7440.	103.0	2000	1.371E=03	3.553t+06
9140.0		5.7.180	3517.4	13.75	0450	2	0.1450	1.3735-03	3.540E+06
9124.1		2910.7	3508.2	13.76	8F40.	102.1	6736.4	1.3745-03	3.57.9£ +06
4111.4		2702.7	3498.0	13.76	1659.	191.8	6753.6	1.3755-03	3.540E+06
9101.0		2094.0	3447.0	13.77	.0536	101.4	6514.1	1.3776-03	3.603E+06
2.7606		9.4882	3475.1	13.78	.0534	101.0	6503.7	1.3795-03	3.618E+06
0.080		2874.5	3466.4	13.79	.6533	100.5	6892.7	1 - 382F -03	3.634E+Ub
0.6706		2003.8	V - 24 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	7.51	1650.	100	\$680°	1.3845-03	3.6512.06
4.000		0.000	34540	13.60	2000	C -	0.000	1.3672-03	3.570E.00
4000		78787	34045	72.61	1200		5.00 PAR	1.3416103	3.090E+00
9031.4		2810-2	Negation	E 2 - E	27.0	, x	6624.6	- 36 A A	4. 7.32F+05
8.7106		2803.4	3373.2	13.84	4700.	91.5	6614.5	1.40ZE-03	3.75E+06
9007.0		2190.4	3351.4	13.25	.0563	97.0	2.0009	1.4005-03	3.778E+06
4997.5		2111.3	3340.7	13.46	, 05¢¢	¥4.5	1.5419	1.4105-03	3.802£+06
8.7854		2764.0	3324.1	13.46	1250.	6.68	6171.0	1.4156-03	3.827E+06
B-7966		2/00.6	3307.5	13.47	6100.	45.4	6756.3	E0-3614.1	3.852k+Ub
0.466		2131.2	32,00.9	D	9150.	O • • •	6/41.4	1.424E-03	3.878E+06
\		7710	325.7	ביי ביי ביי	1100.	n :	2,00,00	1.464.103	3.904E+06
# 0 L 0 K		7692	3240.4	0 7 1	4.4.0	0.00	1000	50-366-1 5-366-1	4.9575.00
6.1064		2007.00	3223.5	13.41	*150) E	20100	1.6666-03	4. 9H3F +06
ABH7.7		2664.0	3400.4	13.42	6160.	92.2	6665	1.4505-03	** 013E + 0b
9874.0		2655.0	3189.1	13.43	2100.	91.7	0.0599	1.455F-03	4.04ZE+06
8860.4		5.0402	3171.7	13.44	1150.	91.1	5.4199	1.461E-03	4.071E+06
3.1416		2626.6	3154.1	14.45	0150.	40°	5.0100	1.466£-03	*.101E+06
36.33.8		2012.2	31.36.4	36.51	9900	0.06	0.2009	1.472E-03	4.132E+06
8820.8		2597.6	3118.4	13.96	1000	8.58 5.58	6545.7	1.4776-03	4.162E+06
1.000		6.2002	3100.4	74.64	0.000	o	1.6460	1.4635-03	4.194E+06
81418		2758.1	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13.44	# 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	646.3	6556.4	1.488F-03	4.225E+06
				•		•	100	10472	115.46
19124.9		2844.3	34606	13.80	.0534	99.5	1.6489	1.4016-03	3.716E+06

		10.435	10.463	10.424	10.423	>10.01	10.416	10.376	10,366	10.369	10.327	10.323	10.01	10.283	10.244	10.242	•	10.168	10.104	10.1		20	10.074	10.003	270.0	40.0	•	£ 00 ° 7		499.7	104.1	4.551	7 0 0	2 4 7	0000	4.25	4.166	y.124	4.045	u 3	•	•		•	•	•	•	1. 1. 1. 1. 1. 1. 1.
	TS TW	98.19	96.29	96.40	98.43	74.80	98.61	94.68	98.75	98.79	, 98.86 98.86	86°46	500	99.11	99.14	99.14	99.21	, .	200	00.00	4	15.66	09.66	44.66	99.67	17.66	* C	2 0 0	0.00	99.88	89.66	56.96	99.95	C. C	00.00	0	٥.	œ.	٠.	•	10001	: -:		-	~	~ .	٠.	100.13
	4	54.65	100.4	0 4 9 - 4	4.83B	4.00.4	4 6 3 3	4.609	4.802	4°904	4.7H3	4.174	0.17.4 6.77.4	047.4	4.724	4.726	4.705	664.	70.4	110.4			4.644	4.014	600.4	164.4		4.0.4 5.1.4	4.526	4.505	4.445	4.453	4.427		7 T	4.332	4.246	4.459	142.4	4.206	100	4-127	4.113	4.074	4.058	6.073	o :	3.484
	14 1. 1	•	1 10 00	v	•	ໍ້າ		ō	84.67	~	7.48	84.75	• ~	- 20	94.84	84.8	C 10 - 4 10 1		•	\ 0 · 4 H	65.48	45.01	85.03	85.00	35.00	0.00 0.00 0.00		85.11	85.17	85.1 H	45.Cn	85.21	65.21	85.661	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	85.27	42.68	42.64	N n :				·	u	-7.1	2:	65.31	85.24 85.24
	T3 4001	1.742	1.740	1.741	1.739	1.735	1.732	1.731	1.733	1.732	1.726	1.730	1.724	1.727	1.723	1.729	1.725	77.1	002	1.708	1.703	1.690	1.684	~	1.666	1.660	04041	1.041	1.624	1.611	1.605	1.597	1.581	1.070	1,553	1.545	1.534	1.524	1.512	•	1.476	1.462	1.461	1.448	1,434		•	1,408
61/21/3	_	76.53	70.53	76.58	76.59	70.58	76.60	٥	76.60	16.60	76.65	76.67	70.03	76.69	76.71	76.68	75.64	7.0.1	76.74	74.72	76.75	70.77	16.76	76.76	70.79	10.19	76.11	7.07	76.60	76.79	70.78	76.82	70.82	75.41	70.83	76.83	76.82	76.82	Ď.	16.64	76.41	70.02	76.85	70.62	76.80	74.83	16.85	76.80
97/21/21-61/01/21	T2 900T		17.718	17.540	17.640	17.044	17.575	17.494	17.482	17.503	•	17.463	• •	17.371	17.302	17.295	17.141	047.7	201011	700	16.939	16.881	16.059	16.720	16.655	195-91		10.478	10.13	10.049	16.010	15.505	15.738	17.1.1.	10.401	15.307	15.133	15.032	14.954	14.804	14.16.4	14.443	14.367	14.197	14.106	13.740	13.845	13.591
TEST 1	N	, ,	119.47	,	•	C0.611	• •		100021	120.11	120.22	120.29	170.36	120.54	120.61	120.64	120.76	150.69	120-30	00.17.	121.14	121.21	121.151	121.28	161.35	121.35	74.17.	34.7	121.60	121.60	121.63	121.67	121.63	121.03	121.70	121.70	121.70	121.67	171.70	121.70	10101	124.67	9.1	1.0	-	.	→ -	121.53
SHAKE DOWN	11 4501	350 38 110 11	**************************************	81.630	267.18	091.18	41.10	A1.144	060.18	61.177	350°08	160.08	80.75	340.00	80.351	40.091	77.140	73. 103	70.00	74.11.	467.07	70.700	76.45	18.074	77.F0b	10.484	71	75.380	10.1193	12.748	75.450	75.043	16.47	77	73.151	76.924	74.148	71.407	11.561	42 · · · · · ·	₹0.07 ₹0.07	65,673	4.5	E. 12	•	144.19	٠.	66.454
THE MMOCOUPLE S	11 14	26.492	ZB3.77	286.33	460.61	10.00	261.192	266.34	266.14	289.16	264.73	730.01	14.05V	291°58	271.71	291.85	24.262	26.262	23.15	7 7 7 7	294.20	40.467	694.69	495.25	645.53	1 H • C K >	04.042	10 · 0 F V	1 × 5 × 5 0	696.80	40.74A	691.63	297.37	10.140	45.647	678.08	6962	22.062	22.862	23.062	676.36	630.50	04.842	690.50	4.5	49.047	٠,	290.64
IAL THE HM	63 QD0T	906	2000	8.877	8.866	4	728.8 8.825	4.810	8.801	6.746	4.764	357.0	H. 7.14	8.643	8.671	8.648	H-024	D	77.0	0 - F	20.4.8	2440	614.6	615.8	8.341	101.2 6.10	1000	0.47.1 8.178	8.133	6.087	040.8	7.442	7.44.7	160.	7.780	7.731	1.676	7.620	1.563	205.7	7.447	7.327	7.266	7.404	7.143	7.080	a 10°	6.492 0.492
CO-AX	3	\$ \$ \$ \$ \$ \$ \$	700	4.133	∹	:-	: -:	7	٠.	•	•	•	000.4		•	•	•	•	•	• •		•	•	3.911	•	10.5	•	• •		•	3.754	•	2. 7. 3. 2. 4. 2. 3. 4. 2.	•		•	1.65.	•	•	•	• •		3.402	•	•	•	•	3.237
WTR 1333	TOOP	1.510	1.504	1.507	'n.	1.505	1.502	1.500	1.499	1.497	1.495	1.052	1.640	1.484	1.480	1.477	•	X 0 0 0 0	*0**	F 5 4 5 7	144	1.441	1.435	1.463	1.421	1.4.1.	7 7)	1.380	1.370	1.361	1.351	1.341	10001	• •	1.299	1.248	1.277	1.655	•	1.231	•	1.200	1.147	•	1.174	•	1.152
497	•		-	~	-			-	_	_	-	-		-	-	~		٠,		٠~	٠ -	_	_	_		7 -	-	-	_	_		٦.	-	-	' -	_	_	٠,		-	٠.	-	_	_	-			10.14
ž	1 1 ME	1.23x	247	1.251	1.255	2000	1.264	1.272	1.274	1.280	1.284	1.00 H	297	1.301	1.05	1. 204	1,313	1 1 1 1	22.	1.330	1.334	1,33н	1.342	1.447	1.5	٠. ئ برئ	70,0	767	1.47	1. 174	1. 1A.)	1.384	100		1.401	1.405	1.400	F [7 • 1	1.417	1200	1.430	1.434	1.434	1.447	1.441	1.450	1044	1.64.1

	77 27	-14	1333	STANTON NUMBERS	JAME 45	10-4414L 1	CO-AATAL THE-MUCDUFLE	LE SEAREGOW	r Test	1//10/70-12/11//75
	į	A THA		67 ST	15 FY	11 51	_	13.51	T4 5T	15 51
53	, 54.y	10.15	176t		1.602E-03	1.0306-02	. 4 Lot - U.	7.185F-U4	F 450F - U.	1.X40E-03
* ;	440	1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 .	10.5025	20-17-10-1	1.014.0.1	1.02/6-02	* 0-100-7	*0-1/1-/	#0-12/47 · .	1.2326-03
3.6	. 6.6.	1	•		1.0415-03	1.00.01	7 - 14 - 10 - 10 - 10 - 10 - 10 - 10 - 10		L - 40 75 - 04	7.000
27	557	1101	1.567		1.0735-03	1.0261-02	6.377E-0.4	10110	1. 40 at = 0.	1.210f-03
24	144.	10.10	_		1.0156-03	1.06/5-02	C. 300E-U.	<- 168F-04	403£-04	1.21cr-03
25	596.	10.09	_		1.000E-03	1.025F-UC	6.35/E-U3	2.156F-04	F. H H 2 E - U4	1.<04F-03
30	.564	10.01	1.,46∠€		1.6024-03	1.0256-02	6.350E-03	2.156E-04	~ / LE - 04	1.2045-03
31	.574	10.01	-		7.7. BE-U4	1.0276-02	K-3434-03	3	F. NH3E-04	£0.
32	.57A	10.05	~	'n	4.46E-04	1.0275-02	C.3316-04	2.156F-U4	F. 4/44-04	1.1906-03
£ .	٠, د د د د	10.05	1.debE	÷	7.88CE-04	1.0295-02	•	÷ :	C. 0176-04	186
# :	200	10.04	1.487	•	7.5475-04	1.0001	2.310E-03	*0-450T*	40-14/1.	3.5
ר ל		10.03	4014671	* 4	7.521E-04	7011001	20 31CF - 0 3	7.150F-04	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.1778-03
2	164	10.01	1.8471	•	7. 7. KEELOR	1.0355-02		*0-424142	1000-1	i i
36	600	10.00	-	* * * * * * * * * * * * * * * * * * *	7.7.0E-04	1.037F-02	C-1867-02	2-140F-C4	5.411E-04	, 35
75	.607	66.0	-	*	4.7h0E-04	1.0375-02	C. PHCE-63	2.128F-04	4.400E-04	Š
0.4	.611	H 6 6	~	÷	4.75BE-04	1.0405-02	6.670E-03	2-1216-04	>->01F-04	556
- C	٠٠١5	٠ ٠	-	4.9hef -04	7.740E-04	1.0435-02	Z. Z	7.1146-04	-, 412E-U*	1556
2.	9.	96°0		4.472E-04	4. / naE-04	1.0435-02	2.chaf-03	2.104F-04		5
უ. •	20.	5	⊸ .	* 76E-04	4. / MCE-04		C. Chbf -0.1	7.10cf-04	1. 40 ME - 0.4	3.
e s	2.0	7 7	1 . 150F - 24	4.98/E-04	9.80.CE-04	20-1040-1	Z.Z.D.E.D.A	40-1140-2	40-1464 40-1464 100-1464	1.1546-03
) £	9	, ,		5-010F-04	40-47-58-7	1.05/1/07	7,767F=0.4	2.080F-04	10-1407-04	1.1646-03
~	4	9.92	. ~	5.025-04	9-435-04	1.0511-02	K-101	7. URAF - UA	1. KADE-04	1-15/6-03
ĭ	.644	16.6	_		9.934E-04	1.0536-06	2.249E-03	2.080F-04	5. H4/E-04	1-1735-03
7	140.	05.0	_		7.780E-04	1.0521-02	2.268E-03	v	1.3376-04	1.17/F-03
50	-659	3°3	-		1.003E-03	1.0546-02	C.C70E-03		40-366H-1	1.1846-03
51	.657	7×°0	-	Š	-	1.055F-02	C. 2/3f-0.4	2.0841-04	1. R45E-04	1.192E-03
52	199.	90.0	→ .	٠	.	1.0544-02	C.276E-0.3	C.089F	5.687E-04	1.1456-03
ر ا ا	. 66s	9 4 7		3	019E-0	1.0545-02	2.2.76F-0.4	2.090F	1.878E-04	1.2006-03
* J	,00	200			1.0755-03	1.0531-02	F.0-3412-2	77.00	7.8/1E-04	1.205E-03
υ.		2 2	1.07/75-04	5.183f -04	1.04041041	1.052F-02	**************************************	0.043F-04	4.0440 4.	1.60%E-03
, ~	70.0	¥ .	-		1.0502-03	1.0045	10-1404V		5. MAGE - 04	1.2126-03
. P.	400	98.0	· -		1.0455-03	150	2.243E-03	۰ ر	L. 877E-04	1.21/E-03
50	5 79 •	9.85	_		1.049E-03	1.051F-02	6.242E-03	ď	5.886E-04	1.217E-03
90	*69.	9.85	_	v	1.0536-03	1.051F-02	<.781E-03	2.097F-04	5.890E-04	1.2175-03
9	200	9.65	-	5.26UE-04	1.0554-03	1.052F-02	Z.ZH3E-03	2.10ct-04	5.902£-04	?
29	. 70 Z	9.85	-	5.2638-04	1.058E-03	1.049F-0	2.278E-03	~ (4.499E-04	1.216E-03
60		0 0	# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.003F=04	1.0595-03	20-1700-1	2 2775-03	40-1C01-04	*0-32/CE=04	1.2215-03
5.4	715	c cc		5.254F-04	1.0506-03	1.0316-07	Z-278E-03		5.470E-04	1
66	7	9.0	-		1.060E-03	1.051F-02	<-278E-03		5.418E-04	7
29	.723	9.84	_			1.050F-02	2.274E-03	2.094E-04	7.908E-04	219E-0
94	.727	0.84	-	5.5	1.0506-03	1.051F-02	2.274E-03	2.09ZE-04	5.907E-04	1.221E-03
7 0	.731	48.6	→ .	2.5	1.056E-03	1.051F-02	2.269E-03	-	5.900E-04	1.2226-03
2 ;	136	9.6	٦.		1.055E-03	1.050F-02	2.263E-03	N I	5.891E-04	1.222E-03
12			1.100100	7.175E-04	1.053E-03	1.0515-02	2.203E-03	2.084E-04	5.465E-04	1.6736-03
73	7	98	-	5-1425-04		1.0445-07	7.251E-03		1.43.7E-04	1.22/5-03
	757	9.85	-	5.1276-04	1.046£-03	1.051F-02	2.50E-03	2.077E-04	5.84BE-04	1.2246-03
75	756	9.85	-	5.112E-04	1.0446-03	1.049F-02	2.2416-03	2.07cE-04	1.816E-04	1.2226-03
76	.761	9.85	-	5.098E-04	1.042E-03	1-052F-02	2.242E-03	2.077F-04	5.420E-04	1.225E-03
11	.765	9.85	-	5.085E-04	1.041E-03	1.0495-02	2.234E-03	2.069F-04	4.HU6E-04	22E
29	.769	9.85	1.014E-04	5.074E-04	1.039E-03	1.0516-02	Z.232E-03	2.070E-04	>. 804E-04	1.2255-03

	TAN NON	213	1333	STANTON NUMBERS	Scanni	LO-ANTEL I	LO-AXIAL IMERMUCOUFLE	E SHAREDOW	r Test	12/10/19-12/1-/75
	± 1 L	ALT	15 10	62 51	15 60	11 51	18 81	13 51	14 51	15 51
235 5	1.00+	10.01	1 - / VCt - 14	4.491r -04	1.040t-03	1.04002	6.108E-01	<. 074F-04	5.784E-04	1.232t-03
236	010	10.01	1./416-1:4	*0-1846*	1.048E-03	1.0371-06	2.14CF-03	7.007F-04	5. (15E-04	1.2285-03
23/	10. 10.	10.01	1./916-24	4 . VKSF - 04	1.04/4-03	プロールグラロ・I	Z. 154E-03	7.075F-04	7.787E-04	1 • Z306 • 03
, ,	7,017	20.01	1.7405-04	*0-1767.4	1.0472-03	1.0345100	20120C	4014/401	1. 7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	1.4245
047	1.027	10.02		4.775E-04	1.047E-03	1.042F-02	Z-1646-03	C. U741-U4	5. (93£-04	1.624F-03
241	1.031	10.02	-	40-31L6-4	1.04/6-03	1.0465-02	6.158F-03	C. U 7.31 - U4	C.7779E-04	1.228E-03
242	1.03	10.02	-	4.967E-04	1.0476-03	1.0418-02	Z.16UF-0.4	2.0578-04	5.785£-04	1.2308-03
547	1.034	19.03	.	4 - 463F - 04	1.046E-03	1.0345-02		2.056F-04	5.7746-04	1.22/F-03
4 4 V	1 . 0 4 3	10.03	1. 724F104	4.454F104	1.040F103	1.04.17.107	7.1546-03	40-1400-X	7.77.104	1.2346-03
7	1,051	10.04	: :	4.95/E-04	1.047£-03	1.040F-UZ	6.140E-0.4	-0-C-0-2	1. 134-04	1.2315-03
247	1.056	10.04	_	4.94E-04	1.0478-03	1.040F-02	6.150F-03	2.061E-04	/ bat-04	1.2326-03
24H	1.060	10.0	7	4.945E-04	1.0472-03	1.03ef-0c	Z+144E-03	7.U3/F-04	5.745E-04	1.230E-03
*	1.064	10.05	-	4.942E-04		1.0305-02	Z.144F-0.3	4.05cf -04	4.737E-04	1.23cE-03
250	1.06	20.01		40-355-4	1.047E-03	1.040F-02	2.140f04	2.056F-04	F. 743E-04	1.2348-03
255		10.05	1.7695-04	4.4346-04	1.0465-03	1.037F-02	2.142F-03	7.05/F-04	5-7356-04	1.2335-03
253	1.041	10.01	-	4.432F-04	1.0498-03	1.0355-02	2.141E-03	<-054E-04	5./1hE-04	1.4305-03
45,	1.045	10.06	_	4.9316-04	1.0496-03	1.036F-02	2.142E-03	4.050F-04	5.773E-04	1.23ct-03
ξ ξ2	1.084	10.06	-	4.929E-04	1.0-UE-03	1.0365-02	2.14/E-03	7.004F-04	5.131E-04	1.235F-03
\$5¢	F 0 6 6	10.05		4.528E-04	1.050E-03	1.035F-02	Z-143E-03	2.U59E-04	5.7156-04	1.2318-03
(;		90.01	٠,	#0-33E-04	1.051E-03	1.0346-02	Z.14ZE-U3	7.00×	5. / CUE-04	1.2306-03
0 3 0 3 0 3	10101		4014757	4014/07	1.0526-03	1.0307-02	7.143F=0.4	2 - 0000 - 04 0 - 0000 - 00	7.7.00	1.62.42F = 0.3
740	1.110	10.05	-	4.927E-04	1.0535-03		2.146t - 0.3	10-14-00-V	1. 17.7E-04	1.0346.103
261	1.114	10.06	1.1876-04	4.427E-04	1.0546-03	1.0346-02	2.136E-03	2.05*f-U4	4.723E-04	1.2315-03
262	7.11.	10.04	_	4.927E-04	1.0546-03	1.030F-02	6.14UE-03	2.061t-04	4.731E-04	1.6336-03
593	1.122	10.06		4.927E-04	1.055-03	1.03/1-02	C.140E-03	2.068F-04	5. /31E-04	1.2346-03
497	1.124	90.01	٦,	4.927E-04	1.055E-03	1.0365-02	<-140F-03	2.059E-04	5.737E-04	1.c36F=03
265	1.136	10.00	1.7885-04	4 . 1/2/1 04 1/2/2 1/2/2	1.0506-03	701346101	Z.140E-03	7.05/T-04 7.05/T-04	7.756-04	1.23/E-03
797	1.13.	10.06		4.9295-04	1.057E-03	1.039F-0c	Z-139E-03	2.0665-04	7.756 -04	1.2306-03
447	1.143	10.06	-	4.929E-04	1.057E-03	1.040F-02	₹-139E-03	2.067E-04	4.758£-04	1.2416-03
563	1.147	10.04	~	4.9296-04	1.0586-03	1.040F-02	<.1346-03	2.063E-04	5.156E-04	1.242F-03
270	1.151	10.06	~	4.929E-04	1.058E-03	1.040F-02		2.004F-04	4.7h3E-04	1.241E-03
127	1.155	0.0	1./836-04	4.930E-04	1.056t-03	1.040F-02	C. 138F-0.4	4014/4047	5. / / ZE = 04	1.24.2E = 0.3
273	91.	10.06	-	4-930E-04		1.0436-02	2.141E-03	7. UDBF-U4	5.72E-04	1.247F-03
274	1.154	10.06	1.784€	4.930E-04	1.059E-03	1.0345-02	2.134E-03	2.062F-04	F. 763E-04	1.435-03
در <u>ج</u>	1.172	10.05	1.7836	4.930E-04	1.0596-03	1.0415-02	2.140F-03	2.0735-04	5.787E-04	1.2408-03
276	1.176	40.04	1.7835	4.930E-04	1.059E-03	1.036F-02	<.134E-03	2.066F = 04	5.705E-04	1.2436-03
2 2 2	101.1	10.00	1 - / BCE - 04	4004E-04	1.050L-03	70+040-1	2.130E-03	7.055E-04	7741-04	1.244E=03
5.2	1.184	10.07	1.782	40-3626-4	1.050E-03	1.037F-02	< 131F - 03	7.068F-U4	1.704E-04	1.244L-03
CBO	1.193	10.01	_	4.929E-04	1.000£-03	1.0385-02	<.135E-03	2.069F-U4	1. /obt-04	0
187	1.197	10.01	~	4.929E-04		1.037F-02	2.133E-03	2.065F-04	5.757E-04	1.243E-03
282	1.501	10.07		4.92FE-04	1.050E-03	1.0355-02	2.1296-03	2.066E-04	5.740E-04	1.241E-03
0 7 0 8 7 7 8 7	2027	10.07	1.7835-14	4. 978F = 04	1.050E-03	1.0375-02	Z. 13CE-03	2.0675-04	40-3642	1.7436-03
285	1.214	10.07		4.920E-04	1.001E-03	0347	2.127E-0.3	2.050F-04	1. (4.1t-04	1.240F-03
582	1.219	10.04	-	4.927F-04	1.051E-03	1.03eF-U2	2.13cE-03	2.068E-04	5.757E-U4	1.2456-03
287	1.222	10.08	1.785t	4.927E-04	1.001E-03	1.0335-02	Š	2.061F-04	5.734E-04	1.2416-03
288	1.22n	0°07	-	4.927E-04	1.061E-03	1.0375-02	2.131E-0.4	2.070E-04	5.753E-04	1.2446-03
290	1.234	10.03	1.7876-04	4.976E104	1.061t-03	1.032F-02	Z.124E-03	7.069F-04	5.757E-04	1.241E=03

	KUN 497	7 wTr	1333	STANTUN NUMBERS	JMBEPS	CO-AXIAL	CO-AXIAL THEFMOCOUPLE	E SHAKEDOWN TEST	A. TEST	12/10/79-12/12/79
	JWIL	AHU JA	61 57	62 51	63 ST	11 51	12.51	13 51	14 51	15 51
291	1.23	10.09	1.788E-04	4.925E-04	1.061E-03	1.0335-02		2.003F-04		
262	1.243	10.09	1.7895-04	4.924E-04	1.0016-03	1.033F-02	2-124E-03	2.003t-04	5.704E-04	1.2455-03
593	1.247	10.04	1.790£-04	4.923E-04	1.051E-03	1.035F-02	Z-129E-03	2.074F-04	F. / NZE-04	1.2506-03
5.6	1.251	10.09	1./90E-04	4.922E-04	1.00lt-03	1.03cF-02	2.124E-03	2.0571-04	F. 704E-04	1.2476-03
242	ردے۔! درکہ:	50.01	1.7916-04	4.921E-04	1.0-1E-03	1.033F-02	2.123E-03	2.06ef-04	7. 758E-04	1.24/F-03
247	1.263	10.04	1.7925-04	40175-04	1.051E-03	1.0337-06	Z.121E=03	2.066F-04	769E-04	1.2488-03
298	1020	10.0	1.7926-04	4.4.4FF-04	1.051E-03	1.0346-07	Z-123F-03	40.40.40.4	40-101-04	1.C4 YE = (1.3)
567	1.672	10.03	1.7926-04	4.9165-04	1.000E-03	1.03cF-0c	Z-110E-03	2.068£-04	5.756E-04	1 - C - C - C - C - C - C - C - C - C -
300	1.274	10.10	1.1926-04	4.909E-04	1.0598-03	1.0325-02	Z-117E-03	2.07cF-04	5.755E-04	1.24/1-03
301	1.280	10,10	1.1926-04	4.905E-04	1.0546-03	1.0355-02	Z-121E-03	2.0735-04	5.704£-04	1.2446-03
305	1.244	10.10	1.791E-04	4.902E-04	1.0566-03	1.0335-02	6.118E-03	2.069F-04	4.745E-04	1.2451-03
505	142.	01.01	1.7005-04	4.898E-04	1.05/E-03	1.0345-02	Z-122t-03	2.0/5F-04	5.741E-04	1.2405-03
100	1.043		1.10701.1	40-14601	1.0-10-03	1.031F-UZ	Z-114E-03	Z.07ZF-04	>. //?t-04	1.243E-03
40 Y	1,591	70,10	1.787E-04	4 - HRAF 104	1.01-76-03	1.0365-06	7.113E-0.3	40-14-0-7	7. / 30E+04	1.6446-03
307	1.305	10.10	1.786E-04	4.84CE-04	1.053E-03	1.0335-02	2.1136-03		10111111	1.244F103
30%	1.309	10.10	1.7846-54	4.H77E-04	1.0522-03	1.033+-02	2.110F-0.4	2.089F-04	1. /c/t-04	1.2455-03
101	1.313	10.11	1.142E-04	4.873F-04	1.050E-03	1.0305-02	2.107E-03	2.UBbt -04	L. 707E-04	1.24ZE-03
016	1.317	10.11	1.780E-04	4.FERE-04	1.0491-03	1.03102	2.10/t-03	2.U88F-U4	5.710E-04	1.2436-03
115	435	10.1	1.7785-1.4	40-1444-4	1.04BE-03	1.0345-02	Z.110F-03	7.005F-04	5.1/1E-04	1.2456-03
315	1,364	10.11	1.70E-04	*0-17CE**	1.047E-03	1.03102	Z.104E-0.	7.0HOF-0*	4.707E-04	1.2431-03
515	1.45	10.1	1.7735-114	4.854F-04	1.0455-03	1.030F-02	2.10cE=0 1	Z.0847-04	h.703E-04	1.2438-03
* 1.	455.	11.01	1. / UE - 04	#0-10CH.	1.00+P-03	1.030F-02	20-14-03		4. / UNE-104	1.243F-03
۲ ۱	1000		1./555-74	10-1042	1.0435-03	70-10F0-1	*0-3760-7	2.0 / ct - 04	. / Uct - 04	1.6438-03
11.	1.347	70.01	1.7015-04	4 (1-10-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	1.0405-01	1.0335102	201100E-03		401447. J	1.747F103
315	158.1	10.12	1 - 758t - 04	40-30E-04	1.0101010	1.0255100	V-0486-V		7.76.04	1.6 C + C E = 10.5
314	355	10.12	1.7546-14	4. HZ56-04	1.038E-03	1.028F-02	Z.043E-03	2.060F-04	1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.0445
350	1.354	10.12	1.7516-04	4. H 191-04	1.0 108-03	1.02AF-02	2.078E-04	2.050t-04	5. 1135-04	1.2418-03
321	1.303	10.12	1.7416-04	4.813E-04	1.0356-03	1.03002	C.UM11-03	2.0511-04	5.7246-04	1.2416-03
325	1.367	10.12	1.74CE-114	4.8071-04	1.1336-03	1.0256-02	2.0110E-03	£-04440	7.107t-(14	1.4346-03
363	1.37.	FT - CT	1./38t-i)4	4.800÷ -04	1.032k-03	1.020F-UZ	KB-B/49.2	7.043E-04	5.715E-04	1.234F-03
10.5		57.0	1./335-14	*0-176/**	1.030E-03	1.0254-02	C. U.5 CE - U.3		6 . 7 1 1 E - 11 4	1.2318-03
200			1 1 1 2 2 5 1 2 5	*0-242/**	1.0286-03	70-4920-1	Z.050E-0.3		/UME - 04	1.22aF-03
76.	417	7	1.7175-04	4.7655-04	1.0705-03	1.0737.07	2.000E-0.4	7.030F-04	5.704E-04	1.2208-03
368	1.392	10.13	1.710E-04	4.755E-04	1.041E-03	1.0205-02	20-37E-03		1.00 IC 1.04	7014540
324	×65.	10.13	1.7048-04	4.743E-04	1.019E-03	1.0214-02	Z-130F-0.4	7.026F-04	7.5807-04	7.
330	1.401	10.14	1.647E-14	4.730E-04	1.0106-03	1.0175-02	C.U24E-U3	Z.012F-04	1.054E-04	1.2138-03
131	1.404	10.14	1.4,906-114	4.717£-04	1.0138-03	1.0175-02	2.020E-0.5		5.651E-04	1.4146-03
332	104.	10.14	1.582E-04	4.702E-04	1.010t-03	1.0164-02	2.0056-0.5	2.004E-04	4.513E-04	1.2006-03
13.5	1.4.1	10.14	1.07.46.104	4.08/1-04	1.00/E-03	1.0166-02	C.000E-03	10-1000	1.500E-04	1.2056-03
135	1.421	10.14	1. h5db-04	40174704	4017477.2	1.0135105	1.947E-0.5	10,471,104	10,000	1 • Z 4 0 E = 0 3
336	1.424	10.14	1.450t-04	4.6375-04	40-7/46.4	70171001	101919101		40-36/6-1	1.0000-03
337	1.437	10.14	1. c. 4 1 E - 14	4.5.0F-04	9.7105-04	1.0055-02	10-10-1	1.45/6-64	5.75CF-04	1.1076104
33н	1.4.14	10.14	1.032E-74	4.5021-04	9. H 78E-04	1.0045-02	1.461E-03	1.9571-04	5.537E-04	1.1406-03
334	1.43	10.14	1.e246-04	4.584F-04	4.r 30t-04	1.0055-07	1.924E-03	1.9645-04	5.543E-114	1.14/8-03
3 -	7 4 4 .	* I • O T	1.h16t-04	4.567E-04	4.748E-04	1.00102	1.944E-0.4	10-	5.514E-U4	1.1416-03
	(c c c c c c c c c c c c c c c c c c c	* T * C T	#0-110-1	**************************************	9.158E-04	1.0016-02	1.041E-03	1.7446-04	4.517E-04	1.192E-03
7	- 4 th	* *	1.0446164	4.5346-04	401101104	20-17-07-10-10-10-10-10-10-10-10-10-10-10-10-10-	1.97775-03	1.430E-04	5.435E-04	1.1858-03
3 5 5	10.4	10.14	1.7846-04	4 - 10 4F - 04	40176-04	うつし いった・ケート	F013000		4010644	DOI 10 10 10 10 10 10 10 10 10 10 10 10 10
147	1.94.	10.14	1.=775-04	4.4847-04	7.005E-04	501100000	1.908E-0.	; ; ; ;	5.4355104	1.1746-03
										,

RE INF	4.069E+06	4.065E+06	4.041E+06	4.05.8E+06	40.434.40	10 - 13 E 1 - 14	4 . 04 AE + U.S.	4.0476.06	4.046E+Uh	4.045E+UD	4.044E+06	4.042E+06	4.041E+06	4.039E+06	4.0364.06	4.033E+Ub	4.0405+06	4007004	4.0156+06	4.010E+0b	4.005E+06	4.000E+06	3.996E+06	3.592E+06	3.9ABE+06	3.946E+06	3.424E+06	3.983E+06	3.4435.00	4. 9ATE + 0A	3.9876+06	3.944E+06	3.991E+06	3.994E+06	3.995E+06	3.997E+06	3.490C+00	3.947E+06	3.995E+06	3.993E+06	3.5H9E+06	3.9H6E+06	3.9A1E+06	3.976E+06	3.971E+06	3.946E+06	3.961E+06	3.951F+06	3.947F+06	4.9445+06	3.941E+06	4.00bE+0b
PHO I at	1.41ct-03	1.41503	1.4161-03	1.4clr-0.5	00-1474°	1 - 4115 - 11 3	1.4331-03	1.4364-03	1.4391-03	1.4411-03	1.4445-13	1.4461-0.3	「つールスナサ・「	1.4516-03	1.45/t-03	1.404F-03	1.4041.103	1.4557-03	1.4564-03	1.4557-03	1.4556-03	1.4556-03	1.455E-03	1.4558-03	1.4556-03	1.4555-03	1.455E-03	1.456E-03	ED-3/06-1	1.456E=03	1.4625-03	1.463E-03	1.465F-03	1.467E-03	1.4696-03	1.4715-03	1.47.55	1 - 4 7 5 F - 0.3	1.476E-03	1.476£-U3	1.4761-03	1.4756-03	1.475£-03	1.4746-03	1.4736-03	1.4715-03	1.4705-03	1.4695-03	1.4676-03	1.4666-03	1.4668-03	1.4558-03
11146	65-1.3	45464	0.7000	to]4.1	1.000	0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7.4.09	70799	66-1.1	407,00	1.5999	99999	6674.1	0017.00	7.41.00	7.000	0.000	7.00.0	1.307.0	X	0717.	6771.4	6774.4	6727.A	6730.5	6/33.0	6735.1	6737.0	138.1	7.047.0	6/43.3	6744.1	6746.3	6748.0	4.7470	4.1.2.2	1.457.4	0.6570	6741.7	6764.6	6767.5	6170.5	6773.5	6770.5	4.6770	0 / HC • 3	6747.1	4.007.0	707.0	6795.3	6797.6	6717.9
11:16	4.70	47.9	8.48	84.0	= 0	1	0.0	¥0.	¥ = \$	70.E	41.1	41.4	41.6	6.16	~~		0.0	0 0	0 0		1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	93.7	43.8	6.66	0.44	44.5	646	4.40	* * * * * * * * * * * * * * * * * * * *	0.49	h 47	6.45	0.47	95.0	95.1	0. v	V 1	0.00	95.7	95.6	0.96	46.1	96.2	6.96	4.0	6.4	70.00	7.46	. T. C.	0 0	96.9	93.5
1 1 1	4/40.	12.00	08*0.	5040.	0 1 50	\	****	7440.	0000.	2000.	coco.	1050.	.0264	1100.	. 0513		0 1	0.00			2200	. 6563	.0563	. 0><4	. 0545	.0565	9250	1250.	9700	95.00	15-0	3550.	*5c0.	£5.0°	9550.	1550.	2410	1400	. 0544	6440.	. 450.	4440.	.0244	4400	440.0		000		14.0		0545	.056
Y A I	14.13	21.61	14.10	14.19		. 4 . 4	40.4	14.03	14.42	14.01	14.00	13.55	13.E	# 子・の 一	13.97	5. T.	0.4	10000	\	477.4	13.43	13.73	13.43	13.42	13.52	13.92	13.41	13.91	13.41	13.40	13,40	13.89	13.49	13.68	13.68	13.00	13.c.	13.46	13.86	13.86	13.06	13.65	13.85	3	48.P.		1 th		13.00	12.4.6	13.45	13.43
101	3123.0	3131.0	3134.0	3147.0	3155.4		31 (6.1	3143.4	3137.4	3146.3	3202.0	3<000	3615.0	3421.1	3227.0	3636.4	3636.0	3444	34.76	3 1 1 1 1 1	3603.0	3204.6	3671.0	3275.6	3676.6	3641.0	3283.4	3285.6	3281.0	3747.0	3292.1	3294.4	349676	3294.6	3306.3	3302.0	3.07.5	3310.7	3313.8	3317.0	3320.3	3323.6	3327.0	3330.4	3333.7	3330.7	3464	3346.0	3.448.0	3351.5	3354.1	3264.3
10	7.1402	H. E1)07	2017.5	2014.4	0.5202	10.00	2047.0	2641.3	4.202	4027.4	2002.4	2007.2	2012.0	20107	ر•1992 زودا	1.000	90,000	0.000	2703	7707-	2710.7	2714.0	2717.1	2714.B	2162.3	4.4212	2726.4	2726.1	27.17	7 (37.4	2733.6	2734.9	2736.3	27.57.7	2734.3	2741.1	2745	2/47.4	B.442	2752.3	5754.9	2757.5	2760.2	2762.9	2765.5	2770.4	2773.0	2775.3	27.17.5	2779.6	2781.6	2710.9
e.	1.16041	19004.2	14071	19047.8	1.0161		£ 44 64 1	14164.0	19171.6	19201.0	19222.5	19243.9	19265.0	19285.4	19304.	19322.4	7.5.5.7	4 1 1 2 2 1 1	7.07691	1 2 1 7 5 1	14385.0	14390.1	19393.5	14394.3	14364.1	19402-1	19405.7	14410.5	1 4 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	146.1	19440	19450.4	19461.3	19476.7	19484.3	19491	19517.4	19527.9	19537.1	19545.5	19553.0	19554.7	19565.4	19571.4	19576.7	1,7581.7	19567.4	7.74561	19605.6	19614.5	19623.4	19387.2
ALPFA	F1.05	20.30	20.4r	20.61	1 9 9 9		<1.12	21.62	21.32	04.12	41.42	21.55	<1.61	21.67	21.12	21. Y	21.12	70.10	1 1 1	44.7	21.65	21.84	<1.44×	21.83	21.61	21.14	21.75	21.12	X0.17	20°17	21.53	21.47	21.41	21,34	21.27	21.20	21.12	20.05	20.47	20.17	20.6H	20°2	20.4P	20°34	20.67	70.07	() () () () () () () () () ()	14.63	14.71	20.00	19.47	w
1	/07.	.413	٠,1	, , , , , , , , , , , , , , , , , , ,	464	; ;	i m	[* *]	4	, 4.	£67°	57	19+•	407°	3/1	3.1	1	0 1		300	561	101	107	. 11	<u>.</u>	,54.	,524	۲۶.	٠ ر	 	4	7	.55.4	.557	61			1	~ 9′	184	065.	*65.		F.04.	101		[. 0		, , ,	. 6	, k.3.	AVEMAGE

	15 001	20.01	20.744	21.076	21,422	22.061	22,319	22.574	22. F34	090.62	24.430	23,605	23.765	23,403	24.009	24.103	74.194	24.266	24.245	24.266	24.2811	24.27%	7/2.40	7.00	74.184	24.116	24.075	23,483	23.422	23.773	23,741	23.424	63.547	44.57	23,320	23,186	23,122	63,063	20.414		22.193	22.423	22.251	₹2 . 11 5	21.441	21.754	34.17	21.175
	15 TW	30 0	91.55	95.04	45.56	94.60	93.95	94.52	74.87	95.51	64.49	97.00	24.16	7.85	46.34	78.60	74.00	06.55	100.25	100.68	101.03	101.45	101.74	70.47.70.	102.73	163.08	103.44	103.72	104.00	104.73	104.78	105.06	105.28	105.56	100.05	106.27	106.55	106.93	70.00	107.47	107.61	107.82	16.101	108.18	104.32	108.46	0.00	10-96
	14 0001	4.147	4.17	4.140	007.7	4.617	4.243	4.224	•	4.306	• •		4.358	•	•	•	0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4.4.0	4.470	4.441	404.4	4.507	4. U.1	4.01.7	4.540	4.536	4.539	4.536	4. 14. 17.	4 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 .	4.553	4.546	4.551	4 4 4 4 4 4	4.575	4.568	4.541	4.547	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	7 0 0 1 4	4.617	4.616	4.617	•	٠	4.0.4		٥٠
	; *	78.1	70.21	18.64	J. 1	: :	78.50	J.	٠.	78.74	: 5	10	78.94	19.00	79.04	1.67	17.67	79.67	79.34	14.61	14.41	19.51	70.07	70.7	`~	•	79.8t	16.67	10.01	40.00	80.10	80.1-	80.17	N C	ריה נ	5.0	0	30.00		•	0	80.71	ċ	æ	ر. د	0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1		: :
	T3 abot	1.104	1.152	1.168	1.185	1.227	1.247	1.270	1.291	1.307	7.46.	1.362	1.377	1.396	1.400	5 T & T	1.438	1.440	1.434	1.470	1.425	1.41	1.404	1.400	1.400	1,395	1.345	1,384	275.	1.360	1,357	1.350	1.344	1.336	1,327	1.320	1.306	977	1,600		1,253	1.645	1.234	1.234	1.218	1.202	1 1 7 8	1.160
2/12/79	13 TW	74.08	74.63	74.63	74.66	74.72	74.15	14.75	74.77	4.4.	74.04	74.88	14.90	45.46	74.97	N	10.07	75.04	75.05	15.10	75.12	75.11	75.15	75.18	75.18	75.19	75.61	75.23	72.47	70.07	75.28	15.29	75.30	7. 3.3 2. 7. 7.	75.32	15.32	75.33	75.38	75.57	7.7.	75.40	15.40	75.40	15.42	17.43	75.40	4.5.4	75.43
4110175-12/12/79	12 QUOT	9.146	0.00	4.645	6.633	20.40	8.034	9.040	8.563	40.0	77	G-4-D	8.498	110.4	8.518	A	0.00 0.00 0.00	8.00.0	8.076	8.683	4.727	14/1	0.01	10 10 10 10 10 10 10 10 10 10 10 10 10 1	0.440	8.443	V.U43	440.4	511.9	961.6	2.249	5.513	4.634	7/0.6	7.4.78	4.505	4.574	0.00	n 3		20.40	10.024	10.005	10-195	10.04	10.347	7 4 4 1 2 1	10.038
TEST	12 1	24. T. T. T	87.61	89.65		07.48	37.42	88.48	3.5.4.5.	7.4.7. 7.4.7.7.	34.71	E8.7E	#¥•54	84.00	70.75	11.60	2 7 8 2	97.46	44.92	ላጥ• ሊ ፔ	01.06	ST • 00	40.04	10 mm	0.0 T.	46.00	31.06	£1.03	0.1	86.06	91.05	41.16	41.26	E 4 - 0	91.51	79.14	27.15	59.47		26.15	4C.C5	96.35	4	76.61	42.26	NA. NO.		
SHAKEDOWN		77.020	- 1	v	ъ.	, ,	80.273	80.773	01.271	104.10	44.50	83.041	83.464	83.06*	84.483	04.730	47.27	02.4.00	85.404	45.40y	80.148	40.743	100.473	20.4.00	90.743	86.748	90.90	86.726	80.7/8	000000000000000000000000000000000000000	365.00	424.44	140.00	87.107	67.198	199.18	5115	0 K L . / 9	* O . O . O	03.78	01.730	67.150	01.540	67.465	67.700	87.706	000.70	
THERMOCOUPLE S	11 1**	103.77	100.001	101.66	168.72	176.85	Ų.	٠,	٠.	٠,٦		180.05	7	75.701	45.08T	105-00	187.12			•	196.43		02.441	02°C47	197.38	170.45	199.86	75.002		60.502	3	26.502	4C.002	42.107 7. 107	20.4.1	210.12	ζ11.1d	616.25	10.417	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C15.74	45.012	J.	٧.	ъ.	~ ? ?		• •
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WIR 1333	1000	1.701	1.795	1.840	1.885	1.97	2.011	2.050	2.040	21.7	7.183	2.202	2.231	2.25	2.275	C. Z. Z	160.0	2.313	2.310	2.317	2.31r	2.316	ر باز. در	7 7 7 7	2.274	2.254	4.5.5	2.224	702.2 201.2	2.167	2.145	2.123	2.106	0.00	2.064	2.003	7/5-1	100 T	7 - 7	702.	1.454	1.424	1.400	1.7mg	1.7.	1.7.1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	104.1
£ 4.	AI PHA	20.13	20.46	20.61	20.75	21.01	21.12	21.22	21.32	71.40	20.17	61.61	21.67	21.72	21.76	21.0	21.84	21.85	21.00	21.86	21.00	למיוי	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	71.78	21.75	21.12	21.68	21.63	61.08	21.47	21.41	21.34	21.27	71.7	21.04	32.95	10.00	200	200	2 4 5 C	50.30	12.02	71.52	30 · 05	7	5	20.0	14.41
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AE IN	4. 4.34E+06	3.9375.06	3.7355.05	0345	3.9.2.7.F. O.B.	3.937E+06	3.938E+00	3.934E+06	3.44 UE + Un	3.940t+00	3.9416+06	3.940E+06	3.940£ +00	3.938£ +0A	3.9375.06	3.4345.00	3.4366.00	3.4685.00	3. 923E+06	4.9146406	3.9125.05	3.907E+06	3.903E+06	3.898E+06	3.894E+00	3.890E+06	3.887E+06	3. HO4E+U6	3.881E+06	3.879E+06	3.8775.00	4.47.5	3.875E+06	3.875E+06	3.875E+06	3.876E+U6	3.47/E+06	3.878E+06	3. HHUE + 05	3.00 LE + US	3.884F+05	3.885E+06	3.886E+06	3.8A6E+06	3.88 /E+06	3.88/E+06	3.886E+06	3.886E+06	3.885E+06	3.894E+06	3.840E+06	: :	3.904E+06
KHUIN	1.406-103	1.4001-03	104001-03	1.4041103	10-100-100-100-100-100-100-100-100-100-	1.470F-0.3	1-471-03	1.4/31-03	1.47403	1.4751-03	1.4765-03	1.4775-03	1.4776-63	1.476-03	1.4/8E-03	1.4 / GE = 0.3	1.4775	1.47 F = 0.3	1.475E-03	1.4745-03	1.4735-03	1.476 -03	1.471E-03	1.4705-03	1.4698-63	1.4686-63	1.4585-03	1.4678-03	1.467E-03	1.466E-03	50-1004-T	1.400F=03	1.4676-03	1.4681-03	1.468E-03	1.469E-03	1.4701-03	1.4701-03	1.4/1/4·1	1.4761.3	1.473F-03	1.4745-03	1.4745-03	1.4756-03	1.475t-03	1.475E-03	1.4755-03	1.475E-03	1.4746-03	1.4/4E=03	1.4735-03		1.472E-03
HINE	A	1.2000	n + 100	E - 100	3.00	6613.3	1.5100	20100	D. U.S.O.	6663.0	6826.3	L. 47.00	1.2689	0.40.0	6639.5	0.5400	0.000	0000	6000		7,000	2867.9	6070.4	6873.8	6876.1	64769	6680.6	2.2809	68 83.5	0004.0	4.000	00000	6846.4	60HD.4	4.0H8A	60866.3	P 4409	5486.2	0990	50000	60H7.1	68H1.6	66866.3	6589°	7.0240	2.1699	** 7599	6863.7	0.0780	6896.3	0.6699		6862.6
4-11	0.72	T • 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		4.67	7.7	37.6	7.16	47.8	6.16	0.46	ر ت. ا	 	4 . H6		0 * 0 * 0 * 0 * 0 * 0 * 0 * 0 * 0 * 0 *	- 0 - 1 - 1	0 2	0.00		66	2.46	M. 0.7	4.75	7.66	9.65	N. V.V.	40.4	9.46	x 0	7 0	100.00	100.0	100.1	100.1	1001	100.	100.2	7.001	100.	1001	100.3	100.3	100.3	100.3	100.3	100.3	100	4.00T	4.004	100.5		3.66
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101	3350.	3359.6	3.45.6	1304.7	,	33/1.5	3374.0	3377.4	3340.4	3343.0	3346.4	3390.3	3343.4	3397.6	3401.5	3403.0	34040	34.0	34.7.0	34750	3474	3433.6	3437.1	3440.4	3443.3	3445.4	3448.1	3450.6	3451.5	3456.1	3453.7	3404.0	3454.4	3455.0	3455.0	3454.7	3424.1	3454.5	04040	34554	3455.4	3454.5	345/.3	3454.3	3459.4	3460.6	3461.5	3463.4	3464.8	3466.3	3469.4	;	3427.9
51	r 69, 1	2,44,4	7070	0.1010	0.567	2124.5	2140.4	0.6662	201085	2003.5	20005	200H.4	2011.1	2613.8	7.9197	1017	1000	0 10 10	2437.0	2837.1	263%	7.0452	284.3.6	2040.1	2040.4	4.0502	2022.2	2053.7	2655.0	2850.0	0.002	4.7.407	0.1727	20005	2024.2	24545	2924.6	2024.6	7.500	יונטע. קייגלצע	7858.P	2054.3	2024.8	5000.4	2061.2	2864.0	5997	2863.9	2002.0	2866.1	2007.4		2837.2
3	14633.4	K 4 4 4 C C	14007.0	1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	143541	14723.4	19743.3	14704.4	19740.7	19816.1	1483.c	19855.1	4.4187	V. VURO I	144354	144001	0 10000	0.0000	20000	20005	C0000	2007c.8	20110.4	20119	20125.0	20120.5	20123.0	20124.4	20125.c	407107	10107	10101	20096.9	20005	20000.5	20076.1	20073.5	V.57005	4.4.000	7.000	2002	20102.1	20113.6	20120.3	20134.1	20151.2	20146.5	20174.0	20190-1	9.66102	20212.0		0.8000≥
ALPIN	19.34	12.41	14.04		20.00	18.55	10.41	10.01	18.13	17.59	17.84	17.70	17.55	U * * / T	7.6	11111	10.41	0 0 0	10.01	10.43	16.17	16.03	15.65	15.69	15.53	15.37	15.61	10.05	14.01	7 - 1 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	10.4.	1 1 1 1	14.04	13.61	13.72	13.55	13.3.	13.61	10.04	16.70	14.53	12.34	16.19	12.02	11.85	11.ex	14.11	11.34	11.11	0 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	10.67		
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	100 15 W 15 DOD	109.10	109.24	104.38	109.45	109.52	109.66	109.73	707	104.05	104.95	109.95	110.02	110.09	110.09	110.09	110.16	110.09	110.09	110.09	20.011 55.	109.95	10%.88	104.88	104.81	7. 7. 67. 67.	105.66	109.59 13	950 109.52 13.734 	104.45	169,31	40.00	71.501	104.03	2	104.99	104.67	104.53	104.53	10 - 46 11	108.32	104.25 10.HO	104.25	0.1.0. 100. 10. 10. 10. 10. 10. 10. 10.	77.07	200
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E SHANEGOWN TEST	11 APOT	d/. Ab3	88.107	7. r.	81.036	610.18	47.764	87.18	010.70	, tda , / x	67.10	87.45	81.49	87.F54	707 - 70	6/.767	01.740	01.010	87.716	VD. 10.	36.78	161.19	87.404	077.10	87.13g	2000	101.01	86.746	30. 110 10. 110	86.417	166.00	db.195 1	00-00	H5.446	45.500	45. 55. 11. 11. 11. 11. 11. 11. 11. 11. 1	אליינה אליינה	104°CB	1 65,203	84.084	F70/	1 (A) 40 +	1 776 1	77.35		
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33 CU-AX	25	3.441	J	J	. 3	4	4	4	3 1	4	4	3	7	.	a	. 3	4	3	3	J	7 7	, ,	,	7	3	.	7	3	3 3	. 4	•	J .	, ,	3	3	1	, :		,	£0.7	1 5	,	1			
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280%.0	3405	~	13.78	07 60.	101.3	6912.5	1.468E-03	3.846E+06
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2887.8 34	3435	7.00	13.78	1,50.	٠	6913.4	1.469E-03	3.846E+06
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10 1000 COO	34.0	2 4	47 · E	1,00	• •	1 4 6 5 6	1.4645-03	4.845F+05
46.7 2883.B	3487	~	13.(8	. 0.7	101.3	6714.7	1.469F-03	3.847E+06
0.4985 0.44	3484	3	13.78	1/00.	101.3	6715.0	1.4695-03	3.847E+06
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2004.2	3484	4	13.78	1/00.		6915.4	1.469F-03	3.847E+U6
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2084.4	3488		13.78	0.00	101.3	04150	1.467E-03	3.845E+06
2004.4	3446	.	13.79	0/60.	101.2	6.6179	1.4676-03	3.844E+0b
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7 7		200	13.79	, 0000 2000	101.2	0.01.60	1.4646-03	3.841E+U6
2884.6 34	34.0) ·	13.79	. 0568	101.2	6916.0	1.4635-03	3.838E+06
9**897 9	348	3484.9	13.79	1960.	101.2	6916.0	1.462c-03	3.836E+06
	ě d	3486.6	13.74	1950.	101.1	6715.9	1.461E-03	3.8335.06
0.4007	0 T	34.46.	10.74	9000	101	0.0100	1.4506-03	3.8316+U8
2684.5	34.4	3448.2	13.79	. 0565	101.1	6715.4	1.4585-03	3.820E+06
2884.3	3,6	٠. د د	13.79	.0505	101.1	6715-1	1.457E-03	3.824E+06
0.407	9	* 3	13.7	C0C0.	10101	1.4160	U A	3.822E+06
0.000.0 0.000.	240	ے ن د	20.00	*****	101	1 4 1 7 9	# 4	00 - 11 / L - 0
2002	34.0		13.79	2000	101	6912.7	1.4546.03	3.818E+06
4861.9	3484	<u>-</u>	13.79	.0063	101.0	6911.1	1.4538-03	3.816E+06
2681.1	34.36	٥	13.79	.0503	101.0	1.0149	S	3.815E .00
2080.1	3481	4	13.79	2000.	100.9	4.60.49	1.452t-03	3.814E+06
2879.1	3474	J.	13.79	>950.	100.0	69069	1.4526-03	3.814E+06
6.1182	3478	Ņ	13.79	,050°	100.9	9.00,6	1.451E~03	3.813E+06
2916.6	3476	4.	13.79	.0561	100.4	0.4049	1.4516-03	3.813E+06
2875.3	3474	4	13.79	.0561	100.8	6903.3	1.4516-03	3.6136.06
U 2673.8	347	ų,	13.79	0950.	100.7	6701.6	1.4501-03	3.8135.06
. 5 C812.4	34.7	3470.4	~	0000.	100.7	8.4689	1.4505-03	3.812E+06
3 2670.9 34	346	4.0	13.79	6550	100.6	0.8600	1.4496-03	3.412£ +06
3. 4.0	346	66.3	13.79	6550	100.6	2.0489	1.449E-03	W 1
.5 200H.U 34	5	6.40	7 7	9660.	100.5	4.4699	1.448E=03	3.412E+06
20105.3 2880.1 348	340	3482.6	13.79	1950.	101.0	6910.4	1.463E-03	3.839E+06

	15 . 001	9.728	9.526	2.23	4.044	8.H76	10. 13.0 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	d. 457	48.284	4.155	700°P	7.87	7.7.7	7.450	1.105	7.147	7.075		6.77		6.521	4.424	r. 17/	5.780	5.183	5.146	2 0 0		1.01	10.0	5.761	5.716	ν. 1 1 1 1	5	7.44°C	198.5	しましょい	7.00	7.00		7.050	5.614	196.4	€07.	4.470	# . I	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	107.4	200
	T5 TW	107.61	107.54	107.40	107.26	107.12	107.05	106.83	106.69	106.62	106.55	100.41	106.20	104.05	105.91	105.84	105.70	102.03	2 C C C C C C C C C C C C C C C C C C C	105.28	105.13	164.99	104.85	104.85	104.71	104.54	00.401	104.101	104.29	104.21	104.01	104.00	103.43	103.72	103.65	103.5P	103.44	103.37	70.00	40.501	103.01	10 4 01	102.87	104.40	10%.73	104.56	102.45	54.501	102.37
	1000 71	4.838	5/29 · 4	4. 50.00	4.867	4.680	4 1	56.9	4.935	4.4.4	4.976	200 A	75.4	3.056	5.071	5.043	ກຸດ ກຸດ ກຸດ ກຸດ	0.00 c	50101	2.0.46	6.60°،	5.071	5.044	5.045	5.008	0 m v v	1 · · · · · · · · · · · · · · · · · · ·	4 6882	4.843	0 £ 10 * 70	4.7.2	4.773	4.1.30	1 9	4.665	4.044	4.677	200.4		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	645.4	4.533	4.5.5	4.515	\$ 000 ·	4.505	004.4	000	274
	74 7.	14.58	43.54	83.64	83.66	83.64	63.77 43.56	93.64	83° RH	83.4°	00°48	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 4 4 5	64.1	H4.1/	17.48	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 T	1 4	3. 4. U.S.	84.5	84.55	84.5.	9. 4 B	4.0	0.00 0.00 0.00	0 0 0 0	12.40	34.1-	84.7.	84.07	4 C .	0.1	: : : : : : : : : : : : : : : : : : :	74.40	14.41	. V • 4D	75.47	7 7	1 1	85.01	45.01	45.01	47.04	45.0V	40.1	11.00	10.00	1.7. CB
	13 0001	1.704	1.74.	1.798	1.830	1.864	4.8.4	1.966	1.996	c.03c	7.058	101.5	7917	4.801	F.230	<.250	367°	1.00.		2442	4.4.5	404.7	V.534	1.573	400.	4 to 1	, e e	022	(100)	7.840	7.681	3 (S ·)	0 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	020.5	3.045	3.073	3.111	D 7		7.57.	3.641	3,334	3.343	オルオ・ブ	3.450	4.04° L	17.4.	700	3.643
2/12/19	T.5 TW	70.10	76.13	76.61	74.63	76.24	75.31	76.37	70.42	70.46	76.49	74.04	76.50	70.05	76.67	70.70	70.78	70.07	02.47	70.43	77.98	77.00	77.05	77.10	77.17	61.//	77	77.37	77.41	77.45	11.54	77.58	20.11	77.73	71.74	77.80	17.85	77.77	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	70.87	78.14	74.19	14.65	78.31	15.38	78.45	7 1 1 1	74.67	74.70
12/10/79-12/12/19	12 0001	16.610	18.936	14.307	14.434	7.20.7	2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C	20.126	20.657	20.443	20-611	101.07	71.055	21.616	42.19	71.474	21.078	011-17	21.472	76.064	26.138	72.678	76.424	72.538	22.653	37.628	# J C	727.50	23.5rB	23.636	74.074	24.675	4 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	24.878	75.0.67	75.146	25.382	75.4.00 75.1.00	610.00	- 7	75.744	25.176	75.144	75.614	25.b.33	75.847	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.4.4.4	20.445
	1∠ 1¥	105.10	100.35	100.00	100.23	100.51	100.83	107.40	101.66	100.00	100.04	100.07	00.00	10.4.01	10%.80	110.12	110.44		30.11					116.74	114.02	113.31		77.4	114.51	114.73	115.22	110.04	10.25	110.67	11/.04	117.41	111.73	710011	4 . 0	40.7	114.34	117.411	117.56	160.11	170.17	160.051	121.41	76	101.94
SHARFIOWN TEST	11 APUI	33.56	83.198	83,243	666.58	44.785	00 VE	194.29	82.378	UC1.28	66.463	201.20	0 1 - 1 C	84.196	267.38	84.462	176.58	0.00	195 12	40.05	80.471	1361	74.430	78.793	ت. با د	14.77	70.40	76.733	15.704	73.195	13.701	901.41	٠.	74.68:	^	1	7303	10. 20 E	74.50	7.4.13	7360	16.01	1631	76.460	16.29	0/1.7/	2		7160
THE PMOCOUPLE S	11 14	261.78	262.13	<63.55 <63.55	663.90	C04.61	75.467	566.03	<66.03	266.73	44.102	00.102	05.007	Cb. 25	15.492	610.67	c/1.33	10.212	(10.13	273.10	(13.47	613.45	<13.01		2/4.15	71.4.10	20.417	614.56	14.412	615.63	46.c/2	56.572	0.00.00.00	710.04	44.012	00.112	cf.77.3	611.35	77.01	00.000	c/c.41	610.16	678.70	14.617	617.83	4 7 7 7	100 A	1 ng2	200.53
CU-AXIAL 1	62 avut	3	i	: :	7	∹.	4 1 4		7	87.	; -	77.4	1 1 2 4	202.4	KUC	102.	/ 5] • 1	767**	-/	ln.	4.150	4.135	-11-1	77.5	7 / D • • • • • • • • • • • • • • • • • •	750.4	1 (0)	* * *	1.750	16.4.4	10A.	1,01,		1.17	1.171	3.14.	3.7.6	001.0		- C - C - C - C - C - C - C - C - C - C	1.00.1	4.6113	1.5%	, 584	د/ ر۰ ۰	, tu .	4,00	2,55	166.
WTH 1333	1006	1.501	1 1 1	1.543	1.611	1.641	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.720	1.754	1. 7HY	1. 6.000	700-1	1.915	1.447	1.97.	<.01<	6.045	20.0	4 4 7 6 7	2.1011	2.21-	ナサス・ス	7.6HI	7 L .	6.45.5	シャワ・ へ	1 4 4	7.4.0	2.53n	2.57.	7:00.7	7 4 5 7	***	2.75.2	2.74:	4.40.4.4	Z.h7:	エニア・ヘ	- T F F F F F F F F F F F F F F F F F F	3.01	3.034	2.043	4.17	3.1hu	3.174	7 V V V	3.04.0	4.76.46	4-(i-a)
1 3 4	A H H	10.50	55.01	66.0	4.02	90.5) () () ()	4.16	65.1	T .	90	0 4		10.4	7.85	50.7	*. *.	2 7	7.0.7	17.0	01.0	4.61	7.4°	4,30	9 -		27.7	75.5	6.4.3	47.5	٠. ت	7 1	00.1	10.7	P * * 7	4.35	4.62	7 7	4	1.75	1.00	. 40	4.30	57.	41.4	9 7 9 7	, 81	0/ 0/	0.1
₹	Ĭ	~ ·	, x	. A.	, r84.	*	1 1	6	0 [5	7.	τ : 5 :	7.0	160	÷67.	3.03.	₩. ₩.	4 1 7 .	. i		74.	è,	٠, ۲	77		4 C	7 7 7		1.00	1.00-	1.1.) · . !	1 6	7.	1.31	1.3	1 . 3.	* * * * * * * * * * * * * * * * * * * *	4 4			1.164	1.67	1.17	7.	[H.	1 2 1 1 1 1	6.	1.7.	101.1

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1971 1972 1974 17 17 17 17 17 17 17		ル・ ハヘエテロ	€e65.3	3400.6	13.79	Yeen.	100.4	1.[+84	1.446t-03	3.812E+06
1941.1. Zenof. 9 3497.2 13.77 13.79 100.20		19-16-61	2004.1	342H.b	13.79	1464.	100.3	6647.5	1.4471-13	3.81 <e+06< td=""></e+06<>
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1975.10 2009.11 345.14 13.10 10.055 100.11 00842.7 13.495.14 13.10 1975.14 13.10 1975.14 13.10 19.05 100.11 00842.7 13.495.14 13.10 19.05 100.11 00842.7 13.495.14 13.10 10.05 100.11 00812.7 13.495.14 13.10 10.05 100.11 00812.7 13.495.14 13.10 10.05 100.11 00812.7 13.495.14 13.40 10.05 100.11 00812.7 13.495.14 13.40 10.05 100.11 00812.7 13.495.17 13.495		19783.0	2000 H	3454	3,10	9560.	100.2	68KJ.7	1.4465-03	3.6116.00
1975-10 2697-1 3497-0 13-10 100-1 06813-1 13-465-0-1 13-10 1975-1	~	19773.8	4.4507	3453.6	13.50	4440.	100	1.499	1.4451-03	3.811E+06
1975 10 10 10 10 10 10 10 1	•	19767.6	2424°1	3456.0	13.70	3640.	1001	00H3.	104451	3.6115.06
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1946.6. 1946	_	19751.0	9.7582	3450.0	1 3 · £ 0	• UU •	1.001	6001.	F. C. L. T. C.	3-8115-06
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1777-11 2016-3 3445-5 13.00 0.0554 94.9 0017-9 1.0487-0.03 1977-11 2017-1 2017-9 1977-1 1947-0.3 1947-0.	2	19731.0	20.4605	3440.0	υν•£1	. U554	100.0	1.6289	1.4446	3.812E+06
UPTILL 2771.7 3442.4 13.0 1955 99.9 60170.4 1.4048-0.3 19711.1 2771.7 3442.4 13.0 1955 99.7 6015.1 1.4048-0.3 1970.4 2848.1 3442.4 13.0 1055 99.7 60170.8 1.4048-0.3 1966.4 2848.1 3442.4 13.0 1055 99.5 60150.1 1.4048-0.3 1966.4 2848.1 3442.4 13.0 1055 99.5 60150.1 1.4048-0.3 1966.4 2848.2 3421.4 13.7 1055 99.7 60150.1 1.4048-0.3 1966.4 2848.2 3421.4 13.7 1055 99.1 6055.0 1.4048-0.3 1966.4 1348.2 13.7 1055 99.1 6055.0 1.4048-0.3 1965.4 1348.2 13.7 1055 99.1 6055.0 1.4048-0.3 1965.4 1.4048-0.3 1.	ď	19775-1	2054.3	3445.5	13.00	£640.	o.	6677.4	1.4446	3. H] 3E + 06
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1970.4. 2050.1 3493.9 13.0 0055 99.7 0873.1 1.444F-03 1966.2 2050.1 3493.9 13.0 0055 99.7 0870.8 1.444F-03 1966.2 2050.2 2050.2 99.5 0870.8 1.444F-03 1966.2 2050.2	£	19711.1	2021.7	3446.1	13.0	£650.	I.	6875.0	1.444E-0.3	3.815E+06
1969	٣.	1970.4.4	2050.1	3439.5	13.00	2660.	1.60	6873.1	1.444.	3.H16E+06
19667.6 2647.7 3438.3 13.1 19050 99.5 666561 1.448f-0.3 19667.1 1.442.8 3420.6 13.42 10.050 99.4 666561 1.448f-0.3 19667.1 1.442f-0.3 19667.1 1.442f-0.3 19667.1 1.442f-0.3 19667.1 2640.1 1.442f-0.3 19667.1 2640.1 1.442f-0.3 19677.2 2640.1 13.62 10.047 96.5 6640.1 1.442f-0.3 19627.3 2840.1 13.62 10.047 96.5 6640.1 1.442f-0.3 19627.3 2840.1 13.62 10.042 96.5 6640.1 1.442f-0.3 19627.3 2840.1 13.62 10.042 97.5 6810.1 1.442f-0.3 19617.1 2840.2 3345.2 13.67 10.052 96.6 6810.1 1.442f-0.3 19617.1 2772.1 3345.2 13.67 10.052 96.6 6810.1 1.442f-0.3 19617.2 2772.3 3355.2 13.67 10.052 96.6 6772.3 1.441f-0.3 19547.2 2772.3 3355.2 13.47 10.052 96.6 6772.3 1.441f-0.3 19547.2 2772.3 3360.2 13.46 10.052 96.6 6772.3 1.441f-0.3 19547.2 2772.3 3260.2 13.46 10.052 96.6 6772.3 1.441f-0.3 19647.2 2667.2 13.46 10.052 96.6 6772.3 1.441f-0.3 19647.2 2667.2 13.46 10.052 96.6 6672.2 1.441f-0.3 19447.2 2667.2 13.46 60.5 6672.2 1.441f-0.3 19447.2 2667.2 13.46 60.5 6672.2 1.441f-0.3 19447.2 2667.2 13.47 10.052 2667.3 1441f-0.3 19467.2 2667.3 1441f-0.3 19467.2 2667.3 1441f-0.3 19467.2 2667.3 1441f-0.3 19467.2 2667.3 1441f-0.3 19467.3	40	14692	2844.1	34 37 . 4	13.00	5660.	1.04	60709	1.4445-03	3.818E+06
19677.6 19677.6 19677.6 19677.6 19677.6 19677.6 19677.7 1967	7	1.46461	2644.7	3434,3	131	1660.	5.46	1.9989	1.4445-03	3.421E+06
19450c1 1,234.5 3426.4 13.72 10549 99.7 6461.2 1,443E-0.3 19650c4 243.6 3421.4 13.72 10540 99.1 6652.9 1,442E-0.3 19630c3 2420.4 3407.4 13.72 10540 94.6 6662.0 1,442E-0.3 19630c3 2420.4 3402.1 13.6 10540 94.3 6640.1 1,442E-0.3 19620c1 2414.0 3334.1 13.75 10542 97.6 6640.1 1,442E-0.3 19610c0 2806.9 3334.2 13.75 10542 97.6 6816.9 1,441E-0.3 19530c1 2790.8 3355.1 13.77 1054 97.6 6816.9 1,441E-0.3 19530c2 2781.9 3353.8 13.79 10542 99.4 6776.0 1,441E-0.3 19530c2 2781.9 3342.9 13.70 1054 99.4 6776.0 1,441E-0.3 19530c2 2781.7 3315.6 13.74 1052 99.4 6776.0 1,441E-0.3 19530c3 2727.9 3340.9 13.74 1052 97.8 6776.0 1,441E-0.3 19530c3 2727.9 3226.1 13.74 1052 97.8 6776.1 1,441E-0.3 19530c3 2727.9 3226.2 13.74 1052 97.8 6776.1 1,441E-0.3 19630c3 2727.9 3226.2 13.74 10510 97.8 6067.7 1,451E-0.3 19630c3 2727.9 3226.1 13.74 10510 97.8 6067.7 1,451E-0.3 19630c3 2727.9 3226.1 13.74 10510 97.8 6067.7 1,451E-0.3 19630c3 2727.1 31.4 10.0 10.0 97.8 6067.7 1,451E-0.3 19630c3 2960.8 3126.9 14.0 10.0 49.5 6067.7 1,451E-0.3 19630c3 2596.8 3126.9 14.0 10.0 49.5 6067.7 1,551E-0.3 19630c3 2596.8 3126.9 14.0 10.0 49.5 6067.7 1,551E-0.3 19630c3 2596.8 3126.9 14.0 10.0 49.5 6067.7 1,551E-0.3 19630c3 2596.8 3126.9 14.0 10.0 40.5 6067.7 1,551E-0.3 19630c3 2596.8 3106.9 14.0 10.0 40.5 6	<u>ر</u>	19671.0	B.Oor	3430.0	13.61	1660.	4.46	0.5999	1.4435-03	3.8238+06
14675.4 243.6 3421.4 13.72 10.945 99.1 6656.9 1.4428.03 19640.1 28431.2 3415.7 13.72 0.0547 940.8 6646.1 1.4428.03 19620.1 2814.0 3394.1 13.72 0.0549 97.6 6840.1 1.4428.03 19620.1 2814.0 3334.1 13.75 0.0549 97.6 6840.1 1.4428.03 19600.2 2806.9 3342.2 13.75 0.0549 97.6 6855.4 1.4418.03 19500.2 2792.1 3342.2 13.75 0.0549 97.6 6810.7 1.4418.03 19574.0 2792.1 3355.1 13.74 0.0545 95.4 6772.1 1.4418.03 19574.0 2772.1 3341.7 13.74 0.0547 95.4 6772.1 1.4418.03 19574.0 2772.1 3315.0 13.74 0.0547 95.4 6772.1 1.4418.03 19574.0 2772.1 3315.0 13.74 0.0547 95.4 6772.1 1.4418.03 19574.0 2772.1 3315.0 13.74 0.0547 97.4 6772.1 1.4418.03 19574.0 2772.1 3315.0 13.74 0.0547 97.4 6772.1 1.4418.03 19574.0 2772.1 3315.0 13.74 0.0547 97.4 6772.1 1.4418.03 19574.0 2772.1 2772	Į.	19664.1	5.48.	3426.3	13.41	¥400°	2.46	5861.2	1.4435-03	3.827E+06
1964n.* 2631.2 3415.7 13.62 .0547 94.6 6665.0 1.442E-03 1965.1 2840.1 2840.4 3494.1 13.64 .0545 96.6 6640.1 1.442E-03 19671.1 2840.0 3344.1 13.64 .0545 97.6 6640.1 1.442E-03 1961.1 2840.4 3345.2 13.66 .0537 97.6 6655.4 1.442E-03 1954.1 2754.2 3375.5 13.67 .0537 97.6 6655.4 1.446E-03 1954.1 2754.2 3353.8 13.69 .0545 95.9 6747.2 1.440E-03 19554.2 2761.9 3341.7 13.60 .0545 95.9 6747.2 1.440E-03 19554.2 2761.9 3341.7 13.60 .0547 95.9 6747.1 1.445E-03 19554.2 2761.9 3341.7 13.60 .0547 95.9 6747.1 1.445E-03 19554.2 2761.9 3341.7 13.46 .0547 95.9 6744.1 1.445E-03 19514.7 3265.2 13.47 .0547 95.9 6744.1 1.445E-03 19514.7 3265.2 13.47 .0547 97.8 6741.1 1.445E-03 19514.7 3260.3 13.47 .0541 97.8 6711.3 1.45E-03 19514.7 2664.0 3207.2 13.47 .0518 97.8 6711.3 1.45E-03 1945.2 2664.0 3191.2 13.49 .0518 97.8 6062.5 1.482E-03 1945.2 2664.0 3191.2 14.01 .0514 90.4 6652.7 1.482E-03 1945.3 2563.7 3156.9 14.01 .0514 90.4 6652.5 1.489E-03 1945.3 2563.8 3124.9 14.01 .0514 90.4 6652.5 1.482E-03 1945.8 2653.7 3163.4 14.01 .0514 89.9 6662.5 1.482E-03 1945.8 2653.7 2654.0 3164.9 14.01 .0514 89.9 6662.5 1.482E-03 1945.8 2653.7 2652.8 2653.7 2652.8 2653.7 2652.8 2653.7 2652.8 2653.7 2652.8 2653.7 2652.8 2653.7 2652.8 2653.7 2652.8 2653.7 2652.8 2653.7 2652.8 2653.7 2652.8 2653.7 2652.8 2653.7 2652.8 2653.7 2652.8 2653.7 2652.8 2653.7 2652.8 2653.7 2653	2	14655.4	2435.6	3421.4	13.42	.0548	96.1	60209	1.4436-(13	3.H31E+06
19636.2 2860.4 3404.4 13.43 10543 94.5 6840.1 1.4426-03 19626.1 284.0 3340.4 13.44 40.54 94.3 6840.1 1.4426-03 19610.1 2814.0 3340.4 13.46 40.34 97.6 6825.4 1.4416-03 1954.1 13.49 40.34 97.6 6825.4 1.4416-03 1954.1 13.49 40.34 97.6 6825.4 1.4416-03 1954.1 2740.8 3355.1 13.48 40.35 96.4 6817.7 1.4416-03 1954.2 2772.1 3341.7 13.49 40.34 97.6 6816.9 1.4416-03 1955.2 2772.1 3341.7 13.49 40.34 97.6 6717.3 1.4416-03 1955.2 2751.3 3341.7 13.49 40.54 40.36 40.	ž,	19640.4	2631.2	3415.7	13.62	1440.	7 0 T	6052.0	1.442t-03	3.830E+06
19626.1 2820.4 3402.1 13.54 .0542 94.3 6840.1 1.442F-0.3 19617.0 2814.0 3334.1 13.75 .0542 97.0 6833.1 1.441F-0.3 19617.0 2805.9 3335.2 13.77 .0537 97.2 6816.9 1.441F-0.3 19597.1 2790.8 3355.1 13.79 .0545 95.4 6816.9 1.440F-0.3 19577.2 2781.9 3342.7 13.79 .0542 95.4 6777.4 1.440F-0.3 19559.3 2781.9 3342.7 13.79 .0542 94.9 6776.0 1.441F-0.3 19537.2 2781.9 3345.4 13.71 .0527 94.9 6776.0 1.441F-0.3 19537.2 2781.7 3315.4 13.74 .0527 94.9 6776.0 1.441F-0.3 19537.3 2787.9 3285.4 13.74 .0519 97.8 6771.7 1.445F-0.3 19507.4 2805.5 13.74 .0519 97.8 6771.7 1.458F-0.3 1947.2 2850.6 327.4 13.79 .0519 97.8 6677.7 1.458F-0.3 1948.7 2850.6 3191.2 13.79 .0519 90.8 6677.7 1.489F-0.3 1948.8 2857.1 318.9 .0519 90.8 6677.7 1.489F-0.3 1948.9 2657.2 318.9 14.0 .0514 90.8 6677.7 1.489F-0.3 1948.9 2857.1 318.9 14.0 .0514 90.8 6677.7 1.489F-0.3 1948.9 2858.8 318.9 14.0 .0514 90.8 6677.7 1.499F-0.3 1948.9 2858.8 318.9 14.0 .0514 90.8 6677.7 1.459F-0.3 1948.9 2858.8 318.9 14.0 .0514 90.8 6677.0 1.552F-0.3 1948.8 2858.8 318.9 14.0 .0514 90.8 6677.0 1.552F-0.3 1948.8 28	49	14630.3	2461.1	34048	13.53	.0543	9.45	6646.4	1.4426-03	3.841E+06
1961 1961 1962 1962 1962 1963 1966	-	19624.1	2620.4	3404.1	13.04	6440.	44.3	6840.1	1.4425-03	3.847E+06
1960 2806.9 3385.2 13.46 .0537 97.6 6825.4 1.441E-03 1959.4.1 2794.2 3355.1 13.47 .0537 97.8 6816.9 1.440E-03 19574.2 2782.1 3355.1 13.49 .0527 95.4 6787.4 1.440E-03 19574.2 2772.1 3341.7 13.49 .0527 95.4 6787.4 1.440E-03 19554.3 2782.1 3341.7 13.49 .0527 95.4 6787.4 1.441E-03 19554.3 2781.3 3301.5 13.44 .0527 94.4 676.0 1.441E-03 19534.5 2727.9 3265.9 13.44 .0527 94.4 6751.7 1.441E-03 19514.7 2715.7 3301.5 13.44 .0521 93.4 6725.2 1.441E-03 19514.7 2715.7 3265.9 13.44 .0519 93.4 6725.2 1.441E-03 19514.7 2715.7 3265.9 13.44 .0519 93.4 6725.2 1.451E-03 1945.1 2664.0 3207.2 13.44 .0519 91.8 6642.5 1.462E-03 1945.2 2501.2 3191.4 14.01 .0514 90.4 6672.7 1.475E-03 19415.2 2501.2 3191.4 14.01 .0514 90.4 6672.7 1.475E-03 19415.2 2501.2 3191.4 14.01 .0514 84.6 6577.0 1.522E-03 19369.8 2577.0 2526-03 19369.8 2577.0 1.522E-03 19369.8 2577.0 252E-03 19369.8 2577.0 252E-03 19369.8 2577.0 252E-03 252E	55	19612.0	2014.0	3394.1	13.75	2440.	94.0	6833.1	1.4416-03	3.855E+U6
19594.1 2799.2 3475.5 13.47 .0537 97.2 6816.9 1.440E-03 19574.0 2774.8 3353.8 13.48 .0535 96.4 6807.7 1.440E-03 19574.0 2772.1 3341.7 13.40 .0535 96.9 6747.3 1.440E-03 19559.0 2772.1 3341.7 13.40 .0540 96.9 6747.3 1.440E-03 19559.0 2761.9 3342.0 13.51 .0545 94.4 6776.0 1.444E-03 19549.0 2751.7 3301.5 13.44 .0545 94.4 6776.1 1.444E-03 19549.3 2727.9 3260.9 13.45 .0543 94.4 6751.7 1.444E-03 19514.7 2715.7 3260.9 13.45 .0541 93.9 6738.7 1.444E-03 19514.7 2715.7 3260.9 13.45 .0541 97.8 6738.7 1.454E-03 19514.7 2715.7 3260.9 13.47 .0518 92.3 66770.1 1.458E-03 19496.0 2697.0 13.49 .0518 92.3 66770 1.458E-03 19471.2 2664.0 3207.2 13.49 .0518 90.8 6672.5 1.455E-03 19451.2 2650.6 31912.2 14.00 .0514 90.8 6672.7 1.455E-03 19415.2 2610.2 3141.4 14.01 .0514 89.9 6672.5 1.482E-03 19415.2 2510.2 3141.4 14.01 .0514 89.9 6672.5 1.482E-03 19369.8 25770.2 3092.0 14.02 .0514 89.9 6577.0 1.513E-03 19369.8 25770.2 3092.0 14.01 .0514 89.9 6577.0 1.513E-03 19369.8 25770.2 3092.0 14.02 .0514 89.9 6577.0 1.513E-03 19369.8 25770.2 3092.0 14.02 .0514 89.9 6577.0 1.513E-03 19369.8 25770.2 15661.9 1.522E-03	S ₂	1950 2 0	2804.9	3344.5	13.06	. 0539	91.6	4.6/99	1.4416-03	3.843E+06
1957#	4	1.4541	2.6612	33175.5	13.47	1531	97.2	6816.4	1.4406-03	3.872E+06
19578.6 2781.8 3353.8 13.49 .0036 95.9 677.5 1.440[6-03 19598.4 277.1 3441.7 13.40 .0030 95.9 6777.5 1.440[6-03 19594.2 2701.9 3441.7 13.40 .0030 95.9 6777.5 1.441[6-03 19594.5 2751.9 3415.6 13.49 .0021 94.4 6751.7 1.441[6-03 19534.5 2724.3 2727.9 3261.5 13.49 .0021 94.4 6751.7 1.441[6-03 19534.5 2727.9 3261.9 13.49 .0021 94.4 6751.7 1.441[6-03 19501.6 2703.2 3264.1 13.49 .0021 95.8 6711.3 1.451[6-03 19491.0 2040.3 3264.0 13.49 .0021 99.8 6677.7 1.451[6-03 19491.0 2040.3 3264.1 13.49 .0021 99.8 6647.0 1.451[6-03 19451.4 2664.0 3207.8 13.49 .0021 99.8 6647.7 1.469[6-03 19451.4 2663.7 3191.2 14.00 .0021 90.8 6657.7 1.469[6-03 19451.4 2663.7 3191.2 14.00 .0021 90.8 6657.7 1.489[6-03 19451.2 2610.2 3141.4 14.01 .00214 99.9 6667.7 1.489[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6657.7 1.489[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6657.7 1.510[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6657.7 1.510[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6657.7 1.510[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6657.7 1.510[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6657.7 1.510[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6657.7 1.510[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6657.7 1.510[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6657.7 1.510[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6657.7 1.510[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6657.7 1.510[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6657.7 1.510[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6657.0 1.520[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6657.0 1.520[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6657.0 1.520[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6667.7 1.520[6-03 19400.2 2696.8 3124.9 14.01 .00214 99.0 6667.7 1.520[6-03 19400.2 2696.8 3124.9 14.01 .00214 90.0 6657.0 1.520[6-03 19400.2 2696.8 3124.9 14.01 .00214 90.0 6657.0 1.520[6-03 19400.2 2696.8 3124.9 14.01 .00214 90.0 6657.0 1.520[6-03 19400.2 2696.8 3124.9 14.01 .00214 90.0 6667.0 1.520[6-03 19400.2 2696.8 3124.9 14.01 .00214 90.0 6667.0 1.520[6-03 19400.2 2696.8 3124.9 1	49	1954H.S	2740.8	3355.1	13.48	3.0335	7.0°	6807.7	1.440F-03	3.883E+Un
19554.3 2772.1 3341.7 13.40 .0030 95.9 6747.4 1.441E-0.3 19554.3 2701.9 3342.0 13.51 .0027 95.4 6776.0 1.441E-0.3 19554.3 2701.9 3342.0 13.51 .0027 95.4 67776.0 1.441E-0.3 19534.0 2734.7 3301.5 13.54 .0023 94.4 6751.7 1.441E-0.3 19524.3 2727.9 3260.9 13.54 .0021 93.9 6738.7 1.441E-0.3 19514.7 2715.7 3260.9 13.54 .0021 93.4 6725.2 1.451E-0.3 19514.7 2715.7 3260.9 13.54 .0021 93.4 6725.2 1.451E-0.3 19496.0 2007.0 1.458E-0.3 19471.2 2664.0 3207.2 13.54 .0021 91.8 6642.5 1.469E-0.3 19451.2 2650.6 3191.2 14.00 .00514 90.4 6637.6 1.482E-0.3 19415.2 2610.2 3141.4 14.01 .0014 89.9 6662.5 1.482E-0.3 19415.2 2610.2 3141.4 14.01 .0014 89.9 6662.5 1.482E-0.3 19415.2 2610.2 3141.4 14.01 .0014 89.9 10561.9 1.552E-0.3 19369.8 2570.2 3092.0 14.02 .0014 89.9 10561.9 1.552E-0.3 19369.8 2570.2 10501.9 14.02 .0014 80.0 10501.9 1.552E-0.3 19369.8 2570.0 14.02 .0014 80.0 10501.9 1.552E-0.3 10501.9 10501	4,	19574.6	2781.8	3353.8	13.65	2FC0.	4.05	6797.8	1.4406-03	3.845€+06
19554.3 2701.9 3329.0 1351 .0527 9954 6776.0 1.441E.03 19544.5 2751.1 3315.6 13.43 .0555 94.4 6776.0 1.444E.03 19544.2 2751.1 3315.6 13.43 .0555 94.4 6751.7 1.444E.03 19524.3 2727.9 3260.9 13.45 .0521 93.4 6751.7 1.444E.03 19511.7 1.445E.03 19511.7 1.445E.03 19511.7 1.445E.03 19511.7 1.445E.03 19407.0 2703.3 3240.3 13.47 .0510 92.3 6697.0 1.458E.03 19445.0 2607.6 3224.1 13.49 .0515 91.8 6642.5 1.458E.03 19457.1 2656.4 3224.1 13.49 .0515 91.8 6642.5 1.465E.03 19457.2 2656.6 31911.2 1.4400 .0514 90.4 6652.7 1.469E.03 19457.2 2650.6 3154.0 14.01 .0514 90.4 6672.5 1.449E.03 19415.2 2610.2 3141.4 14.01 .0514 89.9 6622.5 1.449E.03 19415.2 2610.2 3141.4 14.01 .0514 89.9 6622.5 1.482E.03 19369.8 2577.0 2583.4 3104.4 14.01 .0514 89.9 6522.5 1.505E.03 19369.8 2577.0 1.513E.03 19369.8 2577.0 1.522E.03	ž	19567.0	2772.1	3341.7	13.50	0500.	6.46	6747.3	1.4415-03	3.908E+06
195445 27514 341546 1344 1055 9449 67641 1444f-03 195344 27347 330145 1344 6051 9449 67514 1444f-03 195344 27347 33014 9344 67514 1444f-03 195147 27454 2745	٤3	19559.3	2761.9	3369.0	13.51	1550.	4.00	0.9779	1.441E-03	3.923E+Uh
1953~5 2734.7 3301.5 13.54 .0523 94.4 6751.7 1.444E-03 1952~3 2727.9 3265.9 13.55 .0521 93.4 6751.7 1.444E-03 1952~3 2727.9 3265.9 13.45 .0521 93.4 6735.2 1.447E-03 19511.7 13.45 .0519 92.3 6725.2 1.450E-03 19495.0 2703.2 3260.3 13.49 .0519 91.8 6047.0 1.453E-03 19483.9 2677.2 3224.1 13.49 .0515 91.8 6047.0 1.453E-03 194871.2 2664.0 3207.8 13.49 .0515 91.8 6047.7 1.469E-03 19457.9 2653.7 3191.2 14.00 .0514 90.8 6637.6 1.442E-03 1945.2 2510.2 3141.4 14.01 .0514 90.8 6637.6 1.442E-03 19415.2 2596.8 3124.9 14.01 .0514 89.9 6622.5 1.442E-03 1940.2 2596.8 3124.9 14.01 .0514 89.5 6607.3 1.452E-03 19385.1 2583.8 3104.4 14.02 .0514 89.5 6507.9 1.505E-03 19369.8 2570.2 3092.0 14.02 .0514 89.1 6561.9 1.522E-03 19369.8 2570.2 3092.0 14.02 .0514 89.1 6561.9 1.522E-03	4	19244.5	2751.1	3315.6	13.53	. 0545	0.42	6764.1	1.4435-03	3.940E+06
1952v.3 2727.9 3266.9 13495 .0541 93.9 6738.7 1.447E-05 1951c.7 2715.7 13.v6 .0519 93.4 6725.2 1.450E-05 1951c.7 2715.7 13.v6 .0519 93.4 6725.2 1.450E-05 1951c.2 3240.3 3240.3 13.v7 .0516 92.3 6697.0 1.458E-03 19495.0 2697.2 3224.1 13.v9 .0515 91.8 6642.5 1.465E-03 19471.2 2664.0 3207.8 13.v9 .0515 91.3 6667.7 1.465E-03 19471.2 2664.0 3191.2 14.00 .0514 90.4 6637.7 1.475E-03 1942v.9 2623.7 315c.0 14.v0 .0514 90.4 6637.6 1.482E-03 19415.2 2610.2 3141.4 14.v0 .0514 89.9 6622.5 1.482E-03 19415.2 2596.8 3124.9 14.v0 .0514 89.9 6672.5 1.492E-03 19400.2 2596.8 3124.9 14.v0 .0514 89.9 6672.5 1.505E-03 19369.8 2570.2 3092.0 14.v2 .0514 89.0 1651.9 1.552E-03 19369.8 2570.2 3092.0 14.v2 .0514 89.0 1651.9 1.552E-03	<u> </u>	19534.6	2734.7	3301.5	13.54	.0563	4.46	6751.7	1.4446-03	3.948E+06
19518.7 2715.7 3271.7 13.4% .0519 93.4 6725.2 1.453E-0.3 19507.6 2703.2 3260.2 13.47 .0518 92.8 6711.3 1.453E-0.3 19495.0 2677.2 3260.2 13.49 .0518 92.8 6647.0 1.453E-0.3 19445.9 2677.2 3260.2 13.49 .0515 91.8 6642.5 1.463E-0.3 19471.2 2656.6 3191.2 14.00 .0514 90.4 6652.7 1.469E-0.3 19457.9 2657.3 3174.0 14.00 .0514 90.4 6672.7 1.469E-0.3 19429.9 2623.7 3158.0 14.01 .0514 89.9 6622.5 1.482E-0.3 19415.2 2510.2 3141.4 14.01 .0514 89.9 6672.5 1.482E-0.3 19415.2 2596.8 3124.9 14.01 .0514 89.9 6672.1 1.505E-0.3 19385.1 2583.4 3104.4 14.01 .0514 89.9 6572.0 1.513E-0.3 19369.8 2570.2 3092.0 14.02 .0514 89.1 6561.9 1.522E-0.3 19369.8 2570.2 3092.0 14.02 .0514	5	1952, 3	2727.9	3286.9	13.95	.0541	43.9	6738.7	1.4476-03	3.478E+06
19507.6 2703.2 3256.4 13.47 .0518 92.8 6711.3 1.453E-03 19497.0 2047.0 1.458E-03 19497.0 2047.2 3240.3 13.49 .0516 92.3 6697.0 1.458E-03 19497.2 2654.0 3207.8 13.49 .0516 90.8 6667.7 1.458E-03 19457.2 2654.0 3207.8 13.49 .0515 90.8 6657.7 1.469F-03 19457.9 2657.1 3174.0 10.514 90.8 6657.7 1.469F-03 19444.1 2637.1 3174.0 14.0 0514 90.8 6657.7 1.482F-03 19425.2 2610.2 3141.4 14.01 .0514 99.9 6667.3 1.497F-03 19400.2 2596.8 3124.9 14.01 .0514 89.0 6592.1 1.505F-03 19369.8 2570.2 3092.0 14.02 .0514 89.0 65677.0 1.513F-03 19369.8 2570.2 3092.0 14.02 .0514 89.0 65677.0 1.513F-03 19369.8 2570.2 3092.0 14.02 .0514 89.1 6561.9 1.522E-03	70	19514.7	2715.7	3271.7	13.45	6140.	43.4	6725.2	1.450E-63	**000E+06
19445.4 2690.3 3240.4 13.59 .0515 91.8 6667.0 1.458E-03 19483.9 2677.4 3224.1 13.59 .0515 91.8 6667.7 1.465F-03 19471.2 2667.6 3191.2 19457.9 2657.6 3191.2 19457.9 2657.7 1.465F-03 19424.1 2637.1 3174.6 14.00 .0514 90.4 6657.7 1.475F-03 19424.2 2613.7 3154.0 14.01 .0514 89.9 6667.5 1.482F-03 19415.2 2610.2 3141.4 14.01 .0514 89.9 6677.5 1.497E-03 19415.2 2596.8 3124.9 14.01 .0514 89.5 6607.3 1.497E-03 19400.2 2596.8 3124.9 14.01 .0514 89.5 6577.0 1.505F-03 19369.8 2570.2 3092.0 14.02 .0514 89.1 6561.9 1.522E-03	6	19507.6	2703.2	3456.4	13.47	.0518	95.8	6711.3	1.4538-03	4.024E+06
19483.9 2677.2 3224.1 13.99 .0515 91.8 6662.7 1.465F-03 19471.2 2664.0 3207.8 13.99 .0516 91.8 6667.7 1.469F-03 19471.2 2664.0 3207.8 13.99 .0514 90.8 6652.7 1.469F-03 19464.1 2637.1 3191.2 14.00 .0514 90.8 6637.6 1.482F-03 1942.9 2623.7 3158.0 14.01 .0514 89.9 6662.5 1.482F-03 19415.2 2610.2 3141.4 14.01 .0514 89.5 6607.3 1.497E-03 19400.2 2596.8 3124.9 14.01 .0514 89.6 652.1 1.505F-03 19385.1 2593.4 3108.4 14.01 .0514 89.0 6561.9 1.522F-03 19369.8 2570.2 3092.0 14.02 .0514 80.1 6561.9 1.522F-03	Š	194461	2640.3	3440.3	13.4H	0100.	92.3	0.7.694	1.458£-03	4.050E+06
19471.2 2664.0 3207.8 13.59 .0515 91.3 6667.7 1.469F-03 19457.2 25664.0 3207.8 13.59 .0514 90.8 6652.7 1.455F-03 19457.9 2653.7 3174.6 14.00 .0514 90.8 6672.5 1.442F-03 19429.9 2623.7 3158.0 14.01 .0514 89.9 6672.5 1.449F-03 19415.2 2510.2 3141.4 14.01 .0514 89.5 6607.3 1.497E-03 19400.2 2596.8 3124.9 14.01 .0514 89.0 6592.1 1.505F-03 19385.1 2583.4 3104.4 14.02 .0514 89.0 6561.9 1.513F-03 19369.8 2570.2 3092.0 14.02 .0514 803.1 6561.9 1.522E-03	2	19443.9	2017.4	3224.1	13.49	c1<0.	91.8	6642.5	1.4631-03	4.077E+06
1945/19 2650.6 3191.2 14.00 .0514 90.8 6652.7 1.475F-0.3 19444.1 2637.1 3174.6 14.00 .0514 90.8 6657.6 1.442F-0.3 19424.9 2623.7 3158.0 14.01 .0514 90.8 6652.5 1.449F-0.3 19415.2 2510.2 3141.4 14.01 .0514 49.5 6607.3 1.497F-0.3 19400.2 2596.8 3124.9 14.01 .0514 89.0 6592.1 1.505F-0.3 19385.1 2583.4 3108.4 14.01 .0514 88.0 6577.0 1.513F-0.3 19369.8 2570.2 3092.0 14.02 .0514 88.1 6561.9 1.522F-0.3	4	7.17461	2664.0	3207.8	13.55	£100.	91.3	6067.7	1.4698-03	*.106E.06
19444.1 2637.1 3174.6 14.00 .0514 90.4 6637.6 1.482F-0.3 19429.9 2623.7 3158.0 14.01 .0514 89.9 66672.5 1.489F-0.3 19415.2 2510.2 3154.4 14.01 .0514 89.9 6667.3 1.497E-0.3 19415.2 2596.8 3124.9 14.01 .0514 89.0 6592.1 1.505F-0.3 19385.1 2583.4 3108.4 14.02 .0514 88.6 6577.0 1.513F-0.3 19369.8 2570.2 3092.0 14.02 .0514 88.1 6561.9 1.522F-0.3	50	19451.9	5050.6	3191.2	14.00	.0514	90°B	6652.1	1.4755-03	4.136E+06
19429.9 2623.7 3154.0 14.01 .0514 89.9 6622.5 1.489FE-0.3 19415.2 2510.2 3141.4 14.01 .0514 89.5 6667.3 1.497L-0.3 19415.2 2596.8 3124.9 14.01 .0514 89.0 6592.1 1.505FE-0.3 19385.1 2582.4 3108.4 14.02 .0514 88.6 6577.0 1.513FE-0.3 19369.8 2570.2 3092.0 14.02 .0514 88.1 6561.9 1.522FE-0.3	24	19444.1	2637.1	3174.6	14.00	.0514	4.06	6637.6	1.4825-03	4.167E+06
19415.2 2510.2 3141.4 14.01 .0514 49.5 6607.3 1.497E-03 1940.2 2596.8 3124.4 14.01 .0514 89.0 6592.1 1.505E-03 19385.1 2583.4 3104.4 14.02 .0514 84.6 6577.0 1.513E-03 19369.8 2570.2 3092.0 14.02 .0514 88.1 6561.9 1.522E-03	5	19429.9	2623.7	3158.0	14.01	.0514	6*68	6622.5	1.489F-03	4.200E+06
19400.2 2596.8 3124.9 14.01 .0514 89.0 6592.1 1.505E-03 19385.1 2583.4 3104.4 14.02 .0514 84.6 6577.0 1.513E-03 19369.8 2570.2 3092.0 14.02 .0514 88.1 6561.9 1.522E-03	34	19415.2	2010.2	3141.4	14.01	, 0514	5°68	6607.3	1.4976-03	*.233E+06
19385.1 2583.4 3108.4 14.02 .0514 88.6 6577.0 1.513F-03 19369.8 2570.2 3092.0 14.02 .0514 88.1 6561.9 1.522E-03	3¢	19400.2	2596.8	3124.9	14.01	. U514	0.68	6592.1	1.5056-03	4.267E+06
19369.8 2570.2 3092.0 14.02 .0514 dd.1 6561.9 1.522E-03	:	19385.1	2583.4	3104.4	14.02	.0514	8 H . 6	6577.0	1.513F-03	*.301E+06
	Ţ	19369.8	2570.2	3092.0	14.02	•150•	66.1	6561.9	1.5226-03	4.335E+06
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	15 . 001	4.652	4.562	4.544	4.503	4.460	4.427	4,363	4,330	4.324	4.265	4.20B	4.183	4.165	4.157	4.078	4.064	4.050	4.024	4.026	3. ~7.1	3,993	3.440	3,935	3.895	3.834	3.840	3. H14	3.756	3,725	3.480	3.665	3,613	3.544	3,552	3.501	3.474	104.6	3,389	3.379	3,327	3.331	3.764	3.226	3.217	1.177	3,165	3.102
	TS TW	102.23	102.16	102.16	102.09	101.95	101,88	101.88	101.81	101.67	101.60	101.60	101.45.	101,38	101.31	101.31	101.24	101.17	101.03	101,03	101.03	100.89	100.82	100.82	100.75	100.68	100.61	100.61	100,53	100.46	100.39	100.32	100.25	100.18	100.11	100.11	100.04	06.66	06.66	99.A3	99.76	64.46	64.66	99.61	46.54	40.47	04.77	66.33
	T4 QD0T	164.4	4.4A]	4.486	4.4H3	4.430	4.4H7	4.472	4.4.4	4 . + A 4	4.475	4.472	4.4.76	4.474	4.475	4.451	4.457	4.457	644.4	4.454	4.430	4.432	4.406	4.408	4.395	4.364	4.352	4.333	4.303	4.279	4.250	4.239	4.209	4.166	4.154	4.117	660**	4.059	4.039	4.076	3.990	3.476	3.942	3.924	3.413	3.886	3.673	3. A 34
	4 4 7	85 . 19	85.1A	85.64	85.8x	85.27	85.30	45.34	85.37	85.35	85.37	45.41	85.41	85.44	85.45	65.51	85.54	85.54	85.55	85.50	55.64	85.61	45.61	H5.67	85.71	85.64	85.69	85.75	85.7.	45.74	85.75	85.81	85.81	85.7x	85.75	85.B	85.g	85.7H	45.7	85.84	85.84	85.8)	85.KI	49.CA	45.8h	19.58	70.60	45.84
	13 0001	3.683	3.708	3.739	3.760	3,783	3.81	3.824	3.846	3.864	3.875	3.896	3.914	3.927	3.941	3.945	3,963	3.975	3.975	3.992	3.996	4.015	4.00°	4.014	4.027	4.026	4.032	4.031	4.027	4.027	4.022	4.021	4.013	*00*	4.010	3.996	3.987	3.971	3.971	3.964	3.940	3.938	5.923	3.917	606.5	3.848	188.6	3.663
2112119	T3 TW	7H.74	78.79	78.85	45°11	78.98	79.03	60.67	74.15	79.20	19.26	79.33	74,37	74.42	74.47	79.53	14.59	74.62	79.66	79.73	79.61	79.63	19.87	46.61	19.48	80.08	80.05	HO.12	80.18	H0.<0	80.42	40.29	HU.34	40.36	40.34	30.46	A0.50	80.51	40.55	Ru. 18	40.63	40.08	HO.68	40.73	80.76	HO. 78	H H.	80.85
12/10/79-12/12/79	TR WOOT	25.993	25.946	26.021	26.051	26.106	26.148	26.123	26.143	26.264	26.672	26.304	26.337	26.350	50.409	26.352	26.376	26.333	26.370	965.96	26.303	26.330	26.418	26.23	26.149	26.088	26.038	25.954	25.867	75.809	75.661	25.585	25.463	25.405	25.460	75.01	74.75	74.87	24.123	24.616	サンキ・サン	74.344	24.176	24.046	23.473	23.610	23.177	23.556
	12 TE	124.15	122.40	182.12	123.00	123.25	123.53	123,85	124.06	124.28	124,56	124.84	125.12	125.37	125.62	125,90	170.15	126.33	120.68	120.89	127.11	121.28	127.53	127.78	127.95	128.17	120.34	128.59	120.17	178.91	129.16	129.37	129.51	129.54	14.76	130.01	130.11	130.18	130.25	130.43	130.54	130.68	130.74	130.93	131.03	131.14	131.61	131.32
SHARFDOWN TEST	11 on 01	71.536	71.037	10.461	70.401	70.423	70.428	70.204	70.195	70.314	64,995	69,733	64.402	69.421	64.49	60.048	66.836	68. A44	68.504	68. 50	240.19	010.19	67.474	67.473	67,187	66.FZZ	666.00	66.063	65.415	107.59	64. 420	97.40	240.40	63.514	63.410	64.177	64,450	150.39	61.170	167.19	56.433	66.143	616.00	120.00	417.40	54.405	615.46	54.783
IAL THEMMUCOUPLE S	11 12	660.53	CB0.89	281.24	201.60	C#1.40	281.95	282.30	282.30	262.66	595.66	683.01	₹83•36	263.36	283.36	₹15.12	10.402	C4.43	64.43	62.492	664.78	604.78	665.13	665.13	64.682	765.45	785°H4	782.84	48.C87	48.CB2	61.482	CB6.19	700-19	4H.CO>	41.002	< Pre> < 19	786.19	61.482	4H.C87	44.002	785.H4	Z86.19	266.19	41.082	< 1.097	600.19	46.447	4H. CH.
CO-AXIAL	62 QUOT	1,551	3,552	3,553	3,556	3.554	3.563	1.566	3,570	3,574	7.57A	3.581	3.563	3,585	3.566	3.5bh	4.5e4	3,082	4,C.	1.573	4.566	3.554	3.548	3.536	475*	5.509	****	3.47h	3.454	3.438	3.418	3.346	3,3/3	3.350	3,36%	3,301	٠/۶۰	1.650	** 55.4	3.147	3.1/1	4.147	3.114	* 70* *	1.00.1	√*O*;	1.01/	~ ケケ・ /
WTH 1333		3,384	3.412	3.440	3.466	3.441	3.515	3.534	3.554	3.574	3.594	3.615	3.631	3.640	3.659	3.671	3.641	3.690	3.694	3.704	3.710	3.713	3.715	3.718	3.71H	3.71.7	3.715	3.712	3.704	3.704	3.542	3.041	3.044	3.676	3.667	3.657	3.640	3.635	3.673	3.011	3.143	3.284	3.760	4.44.	3.54.9	3.774	٦(، ٦٠٤	
17.4	AHUJA	2.50	2.40	2.30	2.20	2.11	2002	£4.	1.64	1.75	1.01	1.59	1.51	1.43	58.1	1.67	1.20	1.13	90.1	3°.	24.	99.	61.	.73	10.	19.	.	٠٥٥	4	68.	φ£.	97.	٤٤,	P.	•13	7 5	*0.	07	90	10	15	07	+>	47.1	46.1	٠. 34	* * *	T
z ā	Ĭ	1.10	1.110	1.114	1.11	1.122	1.124	1.136	1.135	1.133	1.143	1.147	1.151	1.155	1.160	1.164	1.15	1.17%	1.176	1.180	1.184	1.184	1.197	1.197	1,201	1.20~	1.20~	1.214	1.,1	1.222	1.226	1.230	1.234	1°53°	I.243	1.247	1.251	1,25.	1.75	1.761	1.76,	1.272	1.57.	1./BC	1.784	T. T.	5	135.

1.724 1.735 1.724 1.735 1.73	
1.794t 1.794t 1.794t 1.764t 1	1.40/f=0.4 1.354 -04 5.414 -04 7.421 -04 7.4
1,724 1,734 1,74	1.4474E-03 1.340E-04 1.345E-04 2.345E 1.445E-03 1.345E-04 1.345E-04 2.345E 1.445E-03 1.345E-04 1.345E-04 2.345E 1.441E-03 1.340E-04 1.345E-04 2.345E 1.441E-03 1.245E-04 1.345E-04 2.345E 1.516E-03 1.246E-04 1.345E-04 2.134E 1.516E-03 1.246E-04 1.345E-04 2.134E 1.546E-03 1.246E-04 1.345E-04 2.146E 1.546E-03 1.246E-04 1.345E-04 2.146E 1.546E-03 1.246E-04 1.346E-04 1.346E 1.546E-03 1.346E-04 1.356E-04 1.346E 1.546E-03 1.346E-04 1.346E-04 1.346E 1.546E-03 1.346E-04 1.356E-04 1.366E 1.546E-03 1.346E-04 1.366E-04 1.366E 1.546E-03 1.346E-04 1.366E-04 1.366E 1.546E-03 1.346E-04 1.366E-04 1.366E 1.546E-03 1.366E-04 1.366E-04 1.366E 1.366E-03
1.732E-04 4.976F-04 1.702E-04 4.976F-04 1.017E-02 4.946E-04 1.017E-04 4.976F-04 1.017E-04 4.976F-04 1.017E-04 5.010E-04 1.059E-04 5.019E-04 1.059E-04 5.019E-04 1.010F-02 1.059E-04 5.03E-04 1.010F-02 1.010F-03 1.010F-	1.4426-03 1.3746-04 4.420E-04 2.345 1.445E-03 1.3746-04 4.420E-04 2.374 1.4016-03 1.3016-04 4.435E-04 2.2046 1.4016-03 1.3016-04 4.435E-04 2.2046 1.4016-03 1.2916-04 4.435E-04 2.3016 1.5016-03 1.276-04 4.4640E-04 2.105 1.5046-03 1.276-04 4.4640E-04 2.0146 1.5046-03 1.276-04 4.4640E-04 2.0146 1.5046-03 1.276-04 4.4640E-04 2.0146 1.5046-03 1.276-04 4.4640E-04 1.9156 1.5046-03 1.324E-04 4.4640E-04 1.9156 1.5046-03 1.324E-04 4.465E-04 1.9156 1.5046-03 1.324E-04 4.465E-04 1.9156 1.5046-03 1.324E-04 4.465E-04 1.9156 1.506-03 1.326E-04 4.465E-04 1.9166 1.506-03 1.326E-04 4.465E-04 1.9166 1.506-03 1.306E-04 4.465E-04 1.9166 1.506-03 1.306E-04 4.766E-04 1.9166 1.506-03 1.306E-04 4.766E-04 1.9166 1.506-03 1.895E-04 4.665E-04 1.8166 1.506-03 1.895E-04 4.666E-04 1.8166 1.506-03 1.8166 1.506-03 1.8166 1.
1.702E-04 4.994F-04 1.5702E-04 1.5712-04 1.512E-04 1.512	1.4442E-0.3 1.312E-0.4
1.573E - 104	1.4556 1.400 1.4
1.5948E-04 5.004F-04 1.104F-04 1.5948E-04 5.014F-04 1.104F-04 1.5948E-04 5.014F-04 1.104F-04 1.104F-04 1.5948E-04 5.014F-04 1.104F-04 1.5948E-04 5.014F-04 1.104F-04 1.5948E-04 5.014F-04 1.104F-04 1.2948E-04 5.014F-04 1.104F-04 1.2948E-04 5.014F-04 1.2948E-04 5.014F-04 1.0948E-04 1.2948E-04 1.2948	1.406E=03 1.230E=04
1.590 E-04 5.010 E-04 1.10 F-07 1.590 E-04 5.03 F-04 1.10 F-07 1.590 E-04 5.05 F-04 1.10 F-07 1.590 E-04 5.05 F-04 1.590 E-07 1.5	1.64/16-03 1.2416-04 4.83320-04 4.2716 1.54/16-03 1.24816-04 1.84820-04 4.27046 1.55/16-03 1.24816-04 1.84820-04 4.27046 1.55/16-03 1.24820-04 1.84820-04 4.27046 1.55/16-03 1.27420-04 1.84820-04 1.8756 1.55/16-03 1.27420-04 1.84820-04 1.8756 1.55/16-03 1.27420-04 1.8756 1.55/16-03 1.27420-04 1.8756 1.55/16-03 1.23420-04 1.8756 1.57/16-03 1.23420-04 1.8756 1.57/16-03 1.23420-04 1.8756 1.57/16-03 1.23420-04 1.8756 1.57/16-03 1.23420-04 1.8756 1.57/16-03 1.23420-04 1.8756 1.57/16-03 1.23420-04 1.8756 1.57/16-03 1.23420-04 1.8756 1.57/16-03 1.23420-04 1.8756 1.57/16-03 1.23420-04 1.8756 1.57/16-03 1.23420-04 1.8756 1.57/16-03 1.23420-04 1.8756 1.57/16-03 1.23420-04 1.8756 1.57/16-03 1.25620-04 1.8756 1.57/16-03 1.25620-04 1.87620-04 1.2756 1.57/16-03 1.25620-04 1.87620-04 1.8776 1.57/16-03 1.25620-04 1.87620-04 1.8776 1.57/16-03 1.25620-04 1.87620-04
1.5546 = 14	1.6742E-03 1.284E-04
1.5540E-104 1.5140E-104 1.5140E-104 1.5150E-104 1.5150	1.518f-0.3 1.288E-0.4 5.865E-0.4 5.17fE 1.5318f-0.3 1.2828f-0.4 5.4646f-0.4 5.136E 1.5318f-0.3 1.276f-0.4 5.4646f-0.4 5.036E 1.5518f-0.3 1.276f-0.4 5.4646f-0.4 5.036E 1.5518f-0.3 1.277f-0.4 5.4646f-0.4 1.915E 1.6528f-0.3 1.278f-0.4 5.4646f-0.4 1.915E 1.6539f-0.3 1.278f-0.4 5.4646f-0.4 1.915E 1.6539f-0.3 1.336f-0.4 5.478f-0.4 1.915E 1.6539f-0.3 1.336f-0.4 5.478f-0.4 1.915E 1.6539f-0.3 1.336f-0.4 5.478f-0.4 1.915E 1.6718f-0.3 1.336f-0.4 5.478f-0.4 1.915E 1.6718f-0.3 1.336f-0.4 5.478f-0.4 1.915E 1.6718f-0.3 1.336f-0.4 5.478f-0.4 1.915E 1.7718f-0.3 1.336f-0.4 5.478f-0.4 1.915E 1.7718f-0.3 1.336f-0.4 5.478f-0.4 1.915E 1.7718f-0.3 1.346f-0.4 5.478f-0.4 1.916E 1.7718f-0.3 1.346f-0.4 5.478f-0.4 1.3398f-0.4 5.478f-0.4 1.2638f-0.4 1.2638f-0
1.5166-04 1.4346-04 1.4325-04 1.4335-06 1.4325-04 1.4325-04 1.4335-06 1.4435-06 1.4435-06 1.4435-06 1.4445	1.5316-03 1.2766-04 5.4566-04 2.1356 1.5316-03 1.2766-04 5.4566-04 2.0705 1.5766-03 1.2766-04 5.4566-04 2.0705 1.5766-03 1.2766-04 5.4566-04 2.0705 1.5766-03 1.2766-04 5.4566-04 1.9766 1.5736-03 1.2766-04 5.4566-04 1.9766 1.57366-03 1.2766-04 5.4766-04 1.9766 1.57366-03 1.3766-04 5.4766-04 1.9766 1.57366-03 1.3766-04 5.4766-04 1.7626 1.57366-03 1.3766-04 5.4766-04 1.7626 1.57366-03 1.3766-04 5.4566-04 1.7626 1.77466-03 1.3766-04 5.4566-04 1.7626 1.77466-03 1.3766-04 5.4566-04 1.7626 1.77466-03 1.3766-04 5.4566-04 1.7626 1.77466-03 1.3766-04 5.4566-04 1.3766 1.77466-03 1.3766-04 5.4566-04 1.3766 1.77466-03 1.5766-04 5.4566-04 1.3766 1.77466-03 1.5766-04 5.4566-04 1.3766 1.77466-03 1.5766-04 5.7566-04 1.3766 1.77466-03 1.7766-04 5.7766-04 1.3766 1.77466-03 1.7766-04 5.7766-04 1.3766 1.77466-03 1.7766-04 5.7766-04 1.3766 1.7766-03 1.7766-04 5.7766 1.7766-03 1.7766-04 5.7766 1.7766-03 1.7766-04 5.7766 1.7766-03 1.7766-04 5.7766 1.7766-03 1.7766-04 5.7766 1.7766-03 1.7766-04 5.7766 1.7766-03 1.7766-04 5.7766 1.7766-03 1.7766-04 5.7766 1
1.4946 - (4 5) 0.0410 - 0.0411	1.573/F=0.3 1.673/F=0.4 ".450/E=0.4 [.0.076] 1.574/F=0.3 1.630/F=0.4 ".470/E=0.4 [.0.076] 1.574/F=0.3 1.630/F=0.4 ".470/F=0.4 [.0.076] 1.574/F=0.3 1.624/F=0.4 ".470/F=0.4 [.0.076] 1.574/F=0.3 1.624/F=0.4 ".470/F=0.4 [.0.076] 1.574/F=0.3 1.624/F=0.4 ".470/F=0.4 [.0.076] 1.744/F=0.3 1.624/F=0.4 ".470/F=0.4 [.0.076] 1.744/F=0.3 1.624/F=0.4 ".470/F=0.4 [.0.076] 1.744/F=0.3 1.624/F=0.4 ".470/F=0.4 [.0.076] 1.744/F=0.3 1.624/F=0.4 ".470/F=0.4 [.0.046] 1.744/F=0.3 1.624/F=0.4 ".470/F=0.4 [.0.046] 1.744/F=0.3 1.624/F=0.4 ".470/F=0.4 [.0.046] 1.744/F=0.3 1.624/F=0.4 ".470/F=0.4 [.0.046] 1.745/F=0.3 1.624/F=0.4 ".470/F=0.4 [.0.046] 1.745/F=0.3 1.624/F=0.4 ".642/F=0.4 [.0.046] 1.745/F=0.3 1.840/F=0.4 ".766/F=0.4 [.0.046] 1.756/F=0.3 1.840/F=0.4 ".647/F=0.4 [.0.046] 1.756/F=0.3 1.840/F=0.4 ".647/F=0.4 [.0.046] 1.756/F=0.3 1.890/F=0.4 ".647/F=0.4 [.0.046] 1.756/F=0.3 1.890/F=0.4 ".647/F=0.4 [.0.046] 1.756/F=0.3 1.890/F=0.4 ".647/F=0.4 [.0.046] 1.756/F=0.3 1.890/F=0.4 ".666/F=0.4 [.0.046] 1.756/F=0.3 1.890/F=0
1.473E-104 1.473E-102 1.473E-104	1.574 E = 03 1.274 E = 04
1.452E-04 5.050E-04 1.010F-02 1.010F-02 1.435E-04 5.050E-04 1.099F-02 1.099F-02 1.039E-04 1.039E-04 1.099F-02 1.039E-04 1.039E-02 1.039E-03 1.039E-02 1.039E-02 1.039E-02 1.039E-03 1.039E-02 1.039E-03 1.039E-02 1.039E-03 1.039E-02 1.039E-03 1.039E-02 1.039E-03 1.033E-03 1.033E	
1.4326-04 5.0566-04 1.0176-07 1.4326-04 5.0516-04 1.0996-07 1.4326-04 5.0516-04 1.0996-07 1.4326-04 5.0516-04 1.0996-07 1.4326-04 5.0516-04 1.0996-07 1.4326-04 5.0566-04 1.0996-07 1.4326-04 5.0326-04 1.0996-07 1.4326-04 5.0326-04 1.0996-07 1.4326-04 5.0326-04 1.0996-07 1.4326-04 5.0326-04 1.0996-07 1.4326-04 5.0326-04 1.0996-07 1.4326-04 5.0326-04 1.0736-07 1.4326-04 5.0326-04 1.0736-07 1.4326-04 5.0326-04 1.0736-07 1.4326-04 5.0326-04 1.0736-07 1.4326-04 5.0326-04 1.0736-07 1.0736-07 1.4326-04 5.0326-04 1.0926-07 1.0926	1,5746 = 0.3 1,2746 = 0.4 1,8481 = 0.4 1,9746 = 0.3 1,2746 = 0.4 1,8481 = 0.4 1,9746 = 0.3 1,2746 = 0.4 1,8481 = 0.3 1,2746 = 0.4 1,8746 = 0.3 1,2746 = 0.4 1,8746 = 0.3 1,2746 = 0.4 1,8746 = 0.3 1,2746 = 0.4 1,8746 = 0.3 1,2746 = 0.4 1,8746 = 0.3 1,2746 = 0.4 1,8746 = 0.3 1,2746 = 0.4 1,8746 = 0.3 1,2746 = 0.4 1,8746 = 0.3 1,2746 = 0.4 1,8746 = 0.3 1,2746 = 0.4 1,8746 = 0.3 1,2746 = 0.4 1,8746 = 0.3 1,2746 = 0.4 1,8746 = 0.3 1,2746 = 0.4 1,2746 = 0.3 1,2746 = 0.4 1,2746 = 0.3 1,2746 = 0.4 1,2746 = 0.3 1,2746 = 0.4 1,2746 = 0.3 1,2746 = 0.4 1,2746 = 0.3 1,2746 = 0.4 1,2746 = 0.3 1,2746 = 0.4 1,2746 = 0.3 1,2746 = 0.4 1,2746 = 0.3 1,2746 = 0.4 1,2746 = 0.3 1,2746 = 0.3 1,2746 = 0.4 1,2746 = 0.3 1,27
1.418E 104 5.005E 104 1.0095F 102 1.418E 104 5.005E 104 1.0095F 102 1.357E 104 5.005E 104 1.0095F 102 1.357E 104 5.005E 104 1.0095F 102 1.357E 104 5.005E 104 1.0095F 102 1.3352E 104 5.005E 104 1.0095F 102 1.0095	Lengte-0.4 1.274E-0.4 ".engece-n.6 1.977E Let 1 = 0.4 1.294E-0.4 ".engece-n.6 1.977E Let 2 = 0.3 1.294E-0.4 ".engece-n.6 1.955E Let 2 = 0.3 1.294E-0.4 ".engece-n.6 1.955E Let 2 = 0.3 1.394E-0.4 ".engece-n.6 1.955E Let 4 = 0.3 1.334E-0.4 ".engece-n.6 1.756E Let 7 = 0.3 1.334E-0.4 ".engece-n.6 1.766E Let 7 = 0.3 1.346E-0.4 ".engece-n.6 1.766E Let 7 = 0.3 1.346E-0.4 ".engece-n.6 1.504E Let 7 = 0.3 1.546E-0.4 ".engece-n.6 1.504E Let 0.3 1.716E-0.4 ".engece-n.6 1.504E Let 0.3 1.895E-0.4 ".engece-n.6 1.504E Let 0.3 1.895E-0.4 ".engece-n.6 1.895E Let 0.3 1.956E-0.4 ".engece-n.6 1.895E L
1.403E-04 5.066E-04 1.099F-07 1.389E-04 5.066E-04 1.099F-07 1.389E-04 5.066E-04 1.099F-07 1.389E-04 5.086E-04 1.086E-07 1.389E-04 5.086E-04 1.086E-07 1.380E-04 5.086E-04 1.076F-07 1.380E-04 5.986E-04 1.076F-07 1.380E-04 5.986E-04 1.076F-07 1.380E-04 5.986E-04 1.076F-07 1.380E-04 5.986E-04 1.076F-07 1.380E-04 5.886E-04 1.076F-07 1.076F-07 1.380E-04 5.886E-04 1.076F-07 1.085E-04 1.085E-04 1.085E-07 1.085E	1.00 1.
1.3195	1.0724E-03 1.3094E-04 ".877E-04 1.815E 1.0546-03 1.3146-04 ".877E-04 1.895E 1.0646-03 1.3146-04 ".877E-04 1.855E 1.0646-03 1.3166-04 ".876E-04 1.855E 1.066-03 1.316-04 ".866E-04 1.768E 1.777E-03 1.316-04 ".866E-04 1.768E 1.774E-03 1.316-04 ".865E-04 1.768E 1.774E-03 1.318-04 ".865E-04 1.868E 1.774E-03 1.318-04 ".865E-04 1.868E 1.774E-03 1.318-04 ".865E-04 1.868E 1.774E-03 1.318-04 ".875E-04 1.891E 1.774E-03 1.845E-04 ".875E-04 1.816E 1.774E-03 1.826E-04 ".876E-04 1.816E 1.774E-03 1.826E-04 ".876E-04 1.816E 1.774E-03 1.826E-04 ".876E-04 1.816E 1.774E-03 1.826E-04 ".776E-04 1.818E 1.776E-03 1.886E-04 ".776E-04 1.818E 1.776E-03 1.888E-04 ".776E-04 1.818E 1.776E-03 1.898E-04 ".766E-04 1.818E 1.776E-03 1.898E-04 ".868E-04 1.818E
1.3898-09 1.37898-09 1.37898-09 1.37898-09 1.3786-09 1.37898-09 1.3378-09 1.3348-09 1.3388-09 1.3488-09 1.	1.6539E=03 1.330E=04 1.875E=04 1.895E 1.671E=03 1.330E=04 1.879E=04 1.859E 1.671E=03 1.334E=04 1.876E=04 1.705E 1.732E=03 1.334E=04 1.805E=04 1.705E 1.732E=03 1.334E=04 1.805E=04 1.705E 1.732E=03 1.345E=04 1.804E=04 1.705E 1.732E=03 1.345E=04 1.804E=04 1.804E 1.732E=03 1.345E=04 1.804E=04 1.804E 1.732E=03 1.345E=04 1.804E=04 1.804E 1.732E=03 1.345E=04 1.804E=04 1.804E 1.732E=03 1.845E=04 1.804E=04 1.804E 1.8732E=03 1.845E=04 1.804E=04 1.804E 1.8732E=03 1.845E=04 1.804E=04 1.837E 2.042E=03 1.804E=04 1.877E=04 1.837E 2.042E=03 1.804E=04 1.837E 2.042E=03 1.804E=04 1.838E 2.042E=03 1.836E=04 1.8338E 2.042E=03 1.836E=04 1.8388E 2.042E=03 1.892E=04 1.803E 2.042E=03 1.803E 2.042E=04 1.803E 2.042
1.376E-04 5.054E-04 1.095F-07 1.356E-04 5.054E-04 1.095F-07 1.356E-04 5.054E-04 1.095F-07 1.356E-04 1.356E-04 1.095F-07 1.335E-04 5.035E-04 1.095F-07 1.335E-04 5.005E-04 1.095F-07 1.335E-04 5.005E-04 1.075F-07 1.335E-04 5.095E-04 1.075F-07 1.335E-04 5.935E-04 1.075F-07 1.350E-04 5.935E-04 1.050E-07 1.035F-07 1.050E-07 1.035F-07 1.050E-07 1.035F-07 1.050E-07 1.035F-07 1.050E-07 1.035F-07 1.050E-07 1.035F-07 1.050E-07 1.050E	1.00546-03 1.3346-04 1.8796 1.00716-03 1.3346-04 1.8796 1.006-03 1.3346-04 1.8706-04 1.8796 1.706-03 1.3346-04 1.8766-04 1.7766 1.7166-03 1.3466-04 1.8766-04 1.7766 1.7326-03 1.3466-04 1.8766-04 1.7766 1.7466-03 1.3466-04 1.8786-04 1.7766 1.7466-03 1.3466-04 1.8786-04 1.8766 1.7466-03 1.3466-04 1.8786-04 1.8766 1.7466-03 1.8496-04 1.8786-04 1.8976 1.8746-03 1.8496-04 1.8766-04 1.8766 1.8746-03 1.8766-04 1.8766-04 1.8766 1.8746-03 1.8766-04 1.8766-04 1.8766 1.8746-03 1.8766-04 1.8766-04 1.8766 1.8746-03 1.8766-04 1.8766-04 1.8766 1.8746-03 1.8766-04 1.8766-04 1.8766 1.8746-03 1.8766-04 1.8766-04 1.8766 1.8746-03 1.8766-04 1.8766-04 1.8766 1.8746-03 1.8766-04 1.8766-04 1.8766 1.8766-03 1.8766-04 1.8766-04 1.8766 1.8766-03 1.8766-04 1.8766-04 1.8766 1.8766-03 1.8766-04 1.8766-04 1.8766 1.8766-03 1.8766-04 1.8766-04 1.8766 1.8766-03 1.8966-04 1.8766-04 1.8766 1.8766-03 1.8966-04 1.8066-04 1.8766 1.8766-03 1.8966-04 1.8966-04 1.8766 1.8766-03 1.8966-04 1.8966-04 1.8766 1.8766-03 1.8966-04 1.8966-04 1.8766 1.8766-03 1.8966-04 1.8966-04 1.8766 1.8766-03 1.8966-04 1.8966-04 1.8766 1.8766-03 1.8966-04 1.8966-04 1
1.3462_04 5.0542_04 1.0934-04 1.3462_04 1.3462_04 1.0946_02 1.3452_04 5.0452_04 1.04946_02 1.3452_04 5.0452_04 1.04946_02 1.3452_04 5.0452_04 1.0466_02 1.3452_04 5.0252_04 1.0466_02 1.3452_04 5.0252_04 1.0766_02 1.3452_04 5.0562_04 1.0766_02 1.3452_04 5.0562_04 1.0766_02 1.3502_04 5.9512_04 1.0766_02 1.3502_04 5.9512_04 1.0766_02 1.3502_04 5.9512_04 1.0766_02 1.3502_04 5.9512_04 1.0766_02 1.3502_04 5.0562_04 1.0766_02 1.07	1.e71E-03 1.324E-04 h.k170E-04 1.872F 1.704F-03 1.334E-04 h.kn66E-04 1.703E 1.717E-03 1.354E-04 h.kn66E-04 1.703E 1.732E-03 1.354E-04 h.kn66E-04 1.742E 1.732E-03 1.354E-04 h.kn6E-04 1.674E 1.731E-03 1.349F-04 h.kn6E-04 1.664E 1.731E-03 1.349F-04 h.kn6E-04 1.664E 1.731E-03 1.349F-04 h.kn6E-04 1.664E 1.732E-03 1.349F-04 h.kn6E-04 1.664E 1.732E-03 1.349E-04 h.kn6E-04 1.690E 1.732E-03 1.406E-04 h.kn6E-04 1.530E 1.423E-03 1.840E-04 h.kn6E-04 1.530E 1.823E-03 1.505E-04 h.kn79E-04 1.831E 1.823E-03 1.505E-04 h.kn79E-04 1.831E 2.062E-03 1.650E-04 h.kn79E-04 1.338E 2.062E-03 1.706E-04 h.kn79E-04 1.338E 2.062E-03 1.806E-04 h.kn79E-04 1.338E 2.062E-03 1.806E-04 h.kn79E-04 1.259E 2.062E-03 1.806E-04 h.kn79E-04 1.279E 2.062E-03 1.806E-04 h.kn79E-04 1.279E 2.062E-03 1.896E-04 h.kn79E-04 1.279E 2.176E-03 1.896E-04 h.kn76E-04 1.279E
1.35/E-04 5.049g=04 1.049g=04 1.345/E-04 5.045g=04 1.049g=04 1.345g=04 1.339g=04 1.333g=04 1.339g=04 1.339	1.694F-03 1.334E-04 5.066-04 1.705E 1.706E-03 1.354E-04 5.066E-04 1.766E 1.706E-03 1.356E-04 5.065E-04 1.706E 1.706E-03 1.350E-04 5.063E-04 1.706E 1.706E-03 1.360E-04 5.063E-04 1.664E 1.704E-03 1.360E-04 5.063E-04 1.664E 1.704E-03 1.309F-04 5.063E-04 1.609E 1.704E-03 1.406E-04 5.053E-04 1.506E 1.806E-03 1.406E-04 5.053E-04 1.506E 1.806E-03 1.406E-04 5.063E-04 1.506E 1.806E-03 1.806E-04 5.063E-04 1.308E 1.806E-03 1.806E-04 5.066E-04 1.308E 2.004E-03 1.806E-04 5.706E-04 1.308E 2.004E-03 1.806E-04 5.706E-04 1.308E 2.004E-03 1.806E-04 5.706E-04 1.209E 2.004E-03 1.806E-04 5.0693E-04 1.209E 2.176E-03 1.806E-04 5.0693E-04 1.209E 2.176E-03 1.806E-04 5.0696E-04 1.209E
1.449E 04 5.043E 04 1.049F 02 1.349E 04 1.349E 04 1.349E 04 1.349E 04 1.349E 04 1.349E 04 1.340E	1.700E-03 1.344E-04 4.M55E-04 1.706E 1.73E-03 1.354E-04 4.M55E-04 1.74E 1.74E-03 1.354E-04 4.M55E-04 1.844E 1.74E-03 1.374E-04 4.M51E-04 1.664E 1.745E-03 1.349E-04 4.M51E-04 1.664E 1.743E-03 1.349F-04 4.M51E-04 1.664E 1.743E-03 1.349F-04 4.M51E-04 1.664E 1.743E-03 1.480E-04 4.M51E-04 1.594E 1.745E-03 1.451E-04 4.M51E-04 1.594E 1.745E-03 1.845E-04 4.M51E-04 1.594E 1.745E-03 1.846E-04 4.M51E-04 1.837E 1.843E-03 1.556E-04 1.M51E-04 1.M51E 1.843E-03 1.566E-04 1.M51E 1.843E-03 1.856E-04 1.M51E 1.843E-03 1.856E-04 1.M51E 1.845E-03 1.846E-04 1.M51E 1.845E-03 1.M51E-04 1.M51E 1.845E-03 1.M51E-04 1.M51E 1.845E-03 1.M51E-04 1.M51E 1.845E-03 1.M51E-04 1.M51E 1.M51E-03 1.M51E-04 1.M51E
.343E-04	1.71/E-03 1.35%E-04 h.mhwee-04 1.74ZE 1.73E-03 1.35%E-04 h.mhwee-04 1.74ZE 1.75E-03 1.37%E-04 h.mhoE-04 1.65%E 1.75E-03 1.37%E-04 h.mhoE-04 1.65%E 1.774E-03 1.34%E-04 h.mhoE-04 1.65%E 1.774ZE-03 1.34%E-04 h.mhoE-04 1.60%E 1.774ZE-03 1.40%E-04 h.mhoE-04 1.53%E 1.774ZE-03 1.40%E-04 h.mhoE-04 1.53%E 1.774ZE-03 1.40%E-04 h.mhoE-04 1.53%E 1.774ZE-03 1.70%E-04 h.mhoE-04 1.37%E 1.774ZE-03 1.70%E-04 h.mhoE-04 1.33%E 2.004ZE-03 1.70%E-04 h.mhoE-04 1.33%E 2.004ZE-03 1.70%E-04 h.mhoE-04 1.33%E 2.004ZE-03 1.70%E-04 h.mhoE-04 1.33%E 2.004ZE-03 1.70%E-04 h.mhoE-04 1.27%E 2.17%E-03 1.92%E-04 h.mhoE-04 1.27%E 2.17%E-03 1.92%E-04 h.mhoE-04 1.17%T 2.17%E-03 1.95%E-04 h.mhoE-04 1.17%T 2.17%E-03 1.95%E-04 h.mhoE-04 1.17%T 2.17%E-03 1.92%E-04 h.mhoE-04 1.17%T 2.17%E-03 1.92%E-04 h.mhoE-04 1.17%T 2.17%E-03 1.70%E-04 h.mhoE-04 1.17%T 2.17%E-03 1.70%E-04 h.mhoE-04 1.17%T 2.17%E-03 1.70%E-04 h.mhoE-04 1.17%T 2.17%E-03 1.95%E-04 h.mhoE-04 1.17%T 2.17%E-03 1.20%E-04 h.mhoE-04 1.17%T 2.17%E-03 1.20%E-04 h.mhoE-04 1.17%T 2.11%E-03 1.20%E-04 h.mhoE-04 1.17%T 2.11%E-04 1.20%E-04 h.mhoE-04 1
1.337E-04	1.732F-03 1.360E-04 1.718F 1.748E-03 1.360E-04 1.878E-04 1.684E 1.741E-03 1.349F-04 5.813E-04 1.660E 1.743E-03 1.404F-04 5.813E-04 1.660E 1.743E-03 1.404F-04 5.812E-04 1.609E 1.743E-03 1.404F-04 5.812E-04 1.509E 1.4130F-03 1.451F-04 5.812E-04 1.531E 1.460E-03 1.460F-04 5.812E-04 1.531E 1.463E-03 1.506F-04 5.812E-04 1.531E 1.463E-03 1.576F-04 5.812E-04 1.531E 1.463E-03 1.576F-04 5.812E-04 1.377E 2.003E-03 1.506F-04 5.77E-04 1.377E 2.003E-03 1.806E-04 5.76E-04 1.377E 2.003E-03 1.806E-04 5.76E-04 1.278E 2.046E-03 1.806E-04 5.76E-04 1.278E 2.046E-03 1.806E-04 5.76E-04 1.278E 2.056E-03 1.806E-04 5.76E-04 1.278E 2.056E-03 1.806E-04 5.76E-04 1.278E 2.056E-03 1.806E-04 5.76E-04 1.278E 2.176E-03 1.892E-04 5.893E-04 1.278E 2.176E-03 1.892E-04 5.893E-04 1.278E 2.176E-03 1.892E-04 5.893E-04 1.278E 2.176E-03 1.892E-04 5.863E-04 1.803E 2.176E-03 1.892E-04 5.863E-04 1.803E 2.176E-03 1.892E-04 5.863E-04 1.803E 2.2176E-03 1.892E-04 5.864E-04 1.803E
1.33 E 1.04 E 1.04 E 1.04 E 1.33 E 1.04 E 1.04 E 1.33 E 1.04 E 1.04 E 1.04 E 1.04 E 1.04 E E 1.04 E E E E E E E E E	1.74*E-03 1.374F-04 5.85]E-04 1.6846 1.751E-03 1.349F-04 5.85]E-04 1.6046 1.724E-03 1.436F-04 5.851E-04 1.6046 1.724E-03 1.436F-04 5.854E-04 1.5046 1.724E-03 1.436F-04 5.854E-04 1.5316 1.704E-03 1.451F-04 5.853E-04 1.5316 1.704E-03 1.406F-04 5.854E-04 1.5316 1.704E-03 1.506F-04 5.824E-04 1.5316 1.704E-03 1.506F-04 5.824E-04 1.4316 1.704E-03 1.506F-04 5.824E-04 1.4316 1.704E-03 1.706E-04 5.706F-04 1.3776 2.004E-03 1.706E-04 5.706F-04 1.3776 2.004E-03 1.706E-04 5.706F-04 1.3776 2.004E-03 1.706E-04 5.706E-04 1.2776 2.004E-03 1.806E-04 5.706E-04 1.2796 2.174E-03 1.894E-04 5.706E-04 1.2796 2.176E-03 1.894E-04 5.064E-04 1.836E 2.176E-03 1.956E-04 5.064E-04 1.836E
.336E-04	1.751F-03 1.389F-04 5.853E-04 1.662E 1.743E-03 1.404F-04 5.853E-04 1.640E 1.743E-03 1.404F-04 5.853E-04 1.640E 1.743E-03 1.404F-04 5.854E-04 1.540F 1.743E-03 1.451F-04 5.854E-04 1.540F 1.743E-03 1.451F-04 5.854E-04 1.535E 1.875E-03 1.526F-04 5.824E-04 1.535E 1.875E-03 1.526F-04 5.824E-04 1.535E 1.875E-03 1.576F-04 5.824E-04 1.535E 1.875E-03 1.576F-04 5.824E-04 1.337E 2.003E-03 1.506F-04 5.875E-04 1.337E 2.042E-03 1.506F-04 5.754E-04 1.337E 2.042E-03 1.706E-04 5.754E-04 1.337E 2.042E-03 1.716F-04 5.754E-04 1.273E 2.042E-03 1.892E-04 5.756E-04 1.273E 2.156E-03 1.892E-04 5.893E-04 1.273E 2.156E-03 1.892E-04 5.893E-04 1.273E 2.156E-03 1.892E-04 5.893E-04 1.273E 2.156E-03 1.992E-04 5.853E-04 1.273E 2.176E-03 1.992E-04 5.853E-04 1.273E 2.176E-03 1.992E-04 5.853E-04 1.873E 2.176E-03 1.992E-04 5.856E-04 1.873E 2.276E-03 1.992E-04 5.853E-04 1.873E 2.276E-03 1.992E-04 5.856E-04 1.873E 2.276E-03 1.992E-04 5.856E-04 1.873E 2.276E-03 1.992E-04 5.856E-04 1.873E 2.276E-03 1.992E-04 5.856E-04 1.873E
1.337E_0* *.993=04 1.0041F=02 1.376E_0+ 4.993=04 1.076F=02 1.076F=02 1.356E_0+ 4.951E_0+ 1.076F=02 1.075F=02 1.356E_0+ 4.937E_0+ 1.074F=02 1.073F=02 1.356E_0+ 4.937E_0+ 1.074F=02 1.356E_0+ 4.951E_0+ 1.074F=02 1.356E_0+ 4.951E_0+ 1.074F=02 1.356E_0+ 1.056E_0+ 1	1.741E-03 1.404F-04 5.401E-04 1.640E 1.774E-03 1.435F-04 5.404E-04 1.6049E 1.774E-03 1.435F-04 5.45E-04 1.5054E 1.440E-03 1.450E-04 5.45E-04 1.535E 1.440E-03 1.400E-04 5.424E-04 1.535E 1.4745E-03 1.505E-04 5.424E-04 1.535E 1.4745E-03 1.505E-04 5.424E-04 1.404E 1.4745E-03 1.506E-04 5.726E-04 1.304E 2.004E-03 1.706E-04 5.726E-04 1.304E 2.004E-03 1.706E-04 5.726E-04 1.2574E 2.004E-03 1.806E-04 5.726E-04 1.2574E 2.156E-03 1.896E-04 5.605E-04 1.2636E 2.156E-03 1.896E-04 5.605E-04 1.2636E 2.176E-03 1.926E-04 5.605E-04 1.2636E 2.176E-03 1.926E-04 5.605E-04 1.2636E 2.176E-03 1.926E-04 5.605E-04 1.2036E 2.176E-03 1.926E-04 5.605E-04 1.2036E 2.176E-03 1.926E-04 5.605E-04 1.1747E 2.216E-03 1.826E-04 5.605E-04 1.1747E
1.340 t = 94	1.743E-03 1.410t-04 5.44bt-06 1.60yt 1.414E-03 1.435F-04 5.454E-06 1.50ht 1.414F-03 1.450F-04 5.454E-06 1.535t 1.443E-03 1.460F-04 5.47bt-06 1.535t 1.443E-03 1.50bF-04 5.47bt-06 1.531t 1.923E-03 1.50bF-04 5.47bt-06 1.435t 1.943E-03 1.57bE-04 5.47bt-06 1.435t 2.023E-03 1.50bF-04 5.77bt-06 1.43t 2.023E-03 1.60bF-04 5.76bF-06 1.337t 2.023E-03 1.60bF-04 5.76bF-06 1.337t 2.023E-03 1.80bF-04 5.76bF-06 1.338t 2.042E-03 1.80bF-04 5.76bF-06 1.27bF 2.090E-03 1.80bF-04 5.75bF-06 1.27bF 2.090E-03 1.80bF-04 5.75bF-06 1.27bF 2.17bF-03 1.85bF-04 5.76bF-06 1.27bF 2.17bF-03 1.85bF-04 5.75bF-06 1.27bF 2.17bF-03 1.85bF-04 5.695E-06 1.27bF 2.17bF-03 1.85bF-04 5.695E-06 1.27bF 2.17bF-03 1.85bF-04 5.695E-06 1.27bF 2.17bF-03 1.85bF-04 5.647t-06 1.183E 2.17bF-03 1.95bF-04 5.665E-06 1.27bF 2.17bF-03 1.95bF-04 5.665E-06 1.183E 2.217F-03 1.95bF-04 5.665E-06 1.183E 2.217F-03 1.95bF-04 5.665E-06 1.1847E 2.217F-03 1.95bF-04 5.665E-06 1.1847E 2.21F-03 1.95bF-04 5.665E-06 1.1847E
1.34% 1.0765-07 1.034% 1.0765-07 1.35% 1.0745-07 1.35% 1.0745-07 1.35% 1.0745-07 1.35% 1.0745-07 1.35% 1.0745-07 1.35% 1.0745-07 1.35% 1.0765-07 1.35% 1.0765-07 1.37% 1.0765-07 1.37% 1.0765-07 1.0	1.
1.350E - 04	1.**Juf-0.3 1.**51F-0.4 5.*52E-0.4 1.*561E 1.**AUSE-0.3 1.**401F-0.4 5.*452E-0.4 1.*501E 1.**AUSE-0.3 1.**AUSE-0.4 5.**AUSE-0.4 1.*533E 1.**YOSEE-0.3 1.**DUSE-0.4 5.**AUSE-0.4 1.**AUSE-0.4 1.**AUSE-0.
1.358E 04 4.937E 04 1.073F 02 1.358E 04 4.937E 04 1.376E 04 1.073F 02 1.376E 04 1.376E 04 1.376E 04 1.376E 07 1.376E 04 1.356E 07 1.356E 0	1. *** **e******************************
307E - 04	1.000 1.000
374E - 04	1.60056-0.3 1.50056-0.4 5.02286-0.4 1.4078 1.9236-0.3 1.52686-0.4 5.02286-0.4 1.4038 1.9236-0.3 1.52686-0.4 5.02286-0.4 1.4038 1.9236-0.3 1.54686-0.4 5.0286-0.4 1.4038 1.94026-0.3 1.60056-0.4 5.7956-0.4 1.3778 2.00386-0.3 1.60056-0.4 5.7686-0.4 1.3778 2.0246-0.3 1.6066-0.4 5.7686-0.4 1.3788 2.04286-0.3 1.7086-0.4 5.7686-0.4 1.3788 2.04286-0.3 1.7086-0.4 5.7686-0.4 1.3788 2.04286-0.3 1.7086-0.4 5.7686-0.4 1.2798 2.04086-0.3 1.8086-0.4 5.6958-0.4 1.2798 2.1766-0.3 1.89286-0.4 5.6478-0.4 1.2038 2.1766-0.3 1.9218-0.4 5.6478-0.4 1.2038 2.1766-0.3 1.9558-0.4 5.6478-0.4 1.1838 2.2176-0.3 1.9588-0.4 5.6678-0.4 1.1838 2.2176-0.3 1.9588-0.4 5.6678-0.4 1.1838 2.2176-0.3 1.9588-0.4 5.6678-0.4 1.1838 2.2176-0.3 1.9588-0.4 5.6678-0.4 1.1838
1.390E-04 4.891E-04 1.065F-02 1.065F-02 1.404E-04 4.876E-04 1.065E-02 1.415E-04 4.845E-04 1.065E-02 1.453E-04 4.845E-04 1.065E-02 1.453E-04 4.845E-04 1.065E-02 1.452E-04 4.813E-04 1.055E-02 1.537E-04 4.805E-04 1.055E-02 1.053E-02 1.653E-04 4.785E-04 1.055E-02 1.653E-04 4.785E-04 1.053E-02 1.653E-04 4.785E-04 1.035E-02 1.655E-04 4.785E-04 1.035E-02 1.655E-04 4.785E-04 1.035E-02 1.655E-03 4.785E-04 1.035E-03 1.035E-03 1.655E-03 4.785E-04 1.035E-03 1.035E	1,904E-03 1,526F-04 5,424E-04 1,463E 1,924E-03 1,576E-04 5,474EE-04 1,436E 1,944E-03 1,576E-04 5,474E-04 1,436E 1,945E-03 1,600E-04 5,799E-04 1,337E 2,004E-03 1,626E-04 5,776E-04 1,337E 2,004E-03 1,626E-04 5,776E-04 1,337E 2,042E-03 1,706E-04 5,729E-04 1,237E 2,041E-03 1,736E-04 5,729E-04 1,239E 2,040E-03 1,895E-04 5,695E-04 1,239E 2,156E-03 1,895E-04 5,695E-04 1,203E 2,156E-03 1,895E-04 5,695E-04 1,203E 2,176E-03 1,991E-04 5,695E-04 1,203E
1.404e=04 4.87e=04 1.419e=04 4.862e=04 1.453e=04 4.83ee=04 1.453e=04 4.83ee=04 1.456e=04 4.814e=04 1.456e=04 4.814e=04 1.560e=04 4.814e=04 1.560e=04 4.89e=04 1.560e=04 4.89e=04 1.560e=04 4.89e=04 1.581e=04 4.89e=04 1.03f=06	1.923E-03 1.540E-04 1.472E-04 1.430E-0 1.943E-03 1.570E-04 5.414E-04 1.410E-0 1.943E-03 1.600E-04 4.749E-04 1.337E-0 2.003E-03 1.626E-04 5.776E-04 1.337E-0 2.042E-03 1.646E-04 5.768E-04 1.337E-0 2.042E-03 1.730E-04 5.751E-04 1.338E-0 2.040E-03 1.730E-04 5.751E-04 1.278E-0 2.070E-03 1.830E-04 5.751E-04 1.278E-0 2.156E-03 1.830E-04 5.695E-04 1.278E-0 2.156E-03 1.856E-04 5.693E-04 1.278E-0 2.156E-03 1.856E-04 5.693E-04 1.278E-0 2.156E-03 1.856E-04 5.693E-04 1.278E-0 2.156E-03 1.895E-04 5.693E-04 1.878E-0 2.156E-03 1.895E-04 5.693E-04 1.878E-0 2.176E-03 1.955E-04 5.693E-04 1.878E-0 2.176E-03 1.955E-04 5.693E-04 1.878E-0 2.176E-03 1.955E-04 5.693E-04 1.878E-0 2.217E-03 1.955E-04 5.656E-04 1.878E-0 2.217E-03 1.955E-04 5.656E-04 1.878E-0
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1.435E - 04	1.49cE=0.3 1.600E=0.4 ~.795E=0.4 1.309E=0.2 (2.002E=0.3 1.650E=0.4 ~.766E=0.4 1.377E=0.2 (2.002E=0.3 1.650E=0.4 5.768E=0.4 1.337E=0.2 (2.002E=0.3 1.650E=0.4 5.768E=0.4 1.338E=0.2 (6.004E=0.3 1.708E=0.4 5.729E=0.4 1.338E=0.2 (6.004E=0.3 1.808E=0.4 5.729E=0.4 1.259E=0.2 (6.004E=0.3 1.808E=0.4 5.693E=0.4 1.259E=0.4 1.259
1.453£-04 4.836£-04 1.006€-02 1.476£-04 4.814£-04 1.056€-02 1.514£-04 4.815£-04 1.055€-02 1.537£-04 4.798£-04 1.055€-02 1.518£-04 4.786£-04 1.048£-02 1.558£-04 4.786£-04 1.048£-02 1.558£-04 4.786£-04 1.036€-02 1.558£-04 4.786£-04 1.036€-02 1.558£-04 4.789£-04 1.036€-02 1.724£-04 4.793€-04 1.035€-02 1.724£-04 4.793€-04 1.035€-02 1.724£-04 4.793€-04 1.035€-02 1.785£-04 4.793€-04 1.036€-02 1.785£-04 4.793€-04 1.036€-02 1.785£-04 4.793€-04 1.036€-02 1.785£-04 4.793€-04 1.036€-02	1.943E-03 1.625E-04
1.472E-04 4.874E-04 1.056E-02 1.056E-02 1.51E-04 4.814E-04 1.057E-02 1.057E-02 1.056E-02 1.056E-03 1.056E-04 1.056E-04 1.056E-02 1.056E-02 1.056E-03 1.056E-02 1.056E-02 1.056E-03 1.056E-	Z.003E-03 1.658E-04 5.777E-04 1 Z.062E-03 1.646E-04 5.768E-04 1 Z.064E-03 1.708E-04 5.751E-04 1 Z.060E-03 1.736E-04 5.729E-04 1 Z.080E-03 1.871E-04 5.710E-04 1 Z.090E-03 1.800E-04 5.695E-04 1 Z.156E-03 1.830E-04 5.695E-04 1 Z.156E-03 1.955E-04 5.653E-04 1 Z.175E-03 1.955E-04 5.659E-04 1 Z.277E-03 1.955E-04 5.659E-04 1 Z.277E-03 1.989E-04 5.659EE-04 1 Z.277E-03 2.026E-04 5.659EE-04 1
1.092E-04 4.814E-04 1.05F-04 1.05F-04 1.53E-04 4.805E-04 1.05E-04 1.03E-04 1.05E-04 1.03E-04	2.0235-03 1.6465-04 5.7685-04 1 2.0425-03 1.7085-04 5.7515-04 1 2.0405-03 1.7355-04 5.7105-04 1 2.0765-03 1.8705-04 5.7105-04 1 2.0795-03 1.8705-04 5.6955-04 1 2.1755-03 1.8505-04 5.6935-04 1 2.1565-03 1.8565-04 5.6935-04 1 2.1755-03 1.9515-04 5.6935-04 1 2.215-03 2.0265-04 5.6565-04 1
1.514E-04 4.805F-04 1.054F-06 1.567E-06 1.560E-04 4.796E-04 1.054F-06 1.055E-04 1.055E-06 1.055E	Z.04ZE-03 1.70BE-04751E-04 1 Z.06AE-03 1.73BE-04 5.729E-04 1 Z.09GE-03 1.800E-04 5.895E-04 1 Z.13GE-03 1.800E-04 5.893E-04 1 Z.13GE-03 1.89EE-04 5.893E-04 1 Z.15E-03 1.89EE-04 5.853E-04 1 Z.15E-03 1.95E-04 5.853E-04 1 Z.17E-03 1.95E-04 5.854E-04 1 Z.217E-03 2.02ZE-04 5.854E-04 1 Z.217E-03 2.02ZE-04 5.854E-04 1 Z.217E-03 2.02ZE-04 5.854E-04 1
1.53/E-04 *.798E-04 1.05/F-06 1.560E-04 *.79EE-04 1.046E-06 1.51E-04 *.78EE-04 1.046E-06 1.650E-04 *.786E-04 1.03/F-06 1.650E-04 *.786E-04 1.03/F-06 1.650E-04 *.789E-04 1.03/F-06 1.724E-04 *.793E-04 1.03/F-06 1.724E-04 *.793E-04 1.03/F-06 1.785E-04 *.793E-04 1.03/F-06	Z.061E-03 1.735E-04 5.729E-04 1.2.080E-03 1.771E-04 5.710E-04 1.2.080E-03 1.800E-04 5.895E-04 1.2.121E-03 1.830E-04 5.853E-04 1.2.136E-03 1.892E-04 5.853E-04 1.2.156E-03 1.925E-04 5.853E-04 1.2.176E-03 1.925E-04 5.853E-04 1.2.277E-03 1.925E-04 5.853E-04 1.2.277E-04
1.550E-04 4.792E-04 1.046F-02 1.550E-04 4.785E-04 1.044F-02 1.051E-04 4.785E-04 1.034F-02 1.054E-04 1.034E-02 1.054E-04 4.789E-04 1.034E-02 1.034E-02 1.034E-02 1.034E-04 4.793E-04 1.034E-02 1.754E-04 4.793E-04 1.034E-02 1.754E-04 4.819E-04 1.026E-02 1.815E-04 4.813E-04 1.027E-02 1.815E-04 1.027E-02 1.815E-04 1.027E-02 1.815E-04 1.027E-02 1.815E-04 1.027E-02 1.815E-04 1.027E-02 1.027E-02 1.815E-04 1.027E-02 1.815E-02 1.815E	<pre>c.06ue-0.3 1.77ff-0.4 5.710e-0.4 12.09de-0.3 1.80ue-0.4 5.695e-0.4 12.15de-0.4 5.695e-0.4 12.15de-0.4 5.693e-0.4 12.15de-0.3 1.89ff-0.4 5.693e-0.4 12.17ff-0.3 1.92ff-0.4 5.69ff-0.4 12.27ff-0.3 1.99ff-0.4 5.69de-0.4 12.27ff-0.3 1.99ff-0.4 5.65de-0.4 12.27ff-0.3 1.99ff-0.4 5.65de-0.4 12.27ff-0.3 1.99ff-0.4 5.69de-0.4 12.27ff-0.3 1.99de-0.4 5.69de-0.4 12.27ff-0.3 1.99de-0.4 5.66de-0.4 12.27ff-0.3 12.27ff-0.4 12.27ff-</pre>
1.585E-04 4.786F-04 1.044F-06 1.611E-04 4.786E-04 1.045F-06 1.656E-04 4.786E-04 1.0336F-05 1.656E-04 4.789E-04 1.0336F-02 1.724E-04 4.799E-04 1.034F-02 1.724E-04 4.799E-04 1.036F-02 1.785E-04 4.809E-04 1.036F-02 1.785E-04 4.809E-04 1.026F-02	2.098E-03 1.800E-04 5.495E-04 1 2.121E-03 1.830E-04 5.693E-04 1 2.136E-03 1.854E-04 5.693E-04 1 2.156E-03 1.892E-04 5.693E-04 1 2.175E-03 1.955E-04 5.647E-04 1 2.17E-03 1.955E-04 5.666E-04 1 2.217E-03 1.955E-04 5.666E-04 1 2.217E-03 2.026E-04 1
1.611E-04 4.786E-04 1.0445-0 1.656E-04 4.786E-04 1.038E-02 1.656E-04 4.789E-04 1.038E-02 1.724E-04 4.793E-04 1.038E-02 1.724E-04 4.793E-04 1.038F-02 1.785E-04 4.806E-04 1.026F-02 1.818E-04 4.806E-04 1.027F-02	6.161E-03 1.830E-04 1.643E-04 1 6.130E-03 1.858E-04 6.863E-04 1 6.150E-03 1.921E-04 5.853E-04 1 6.175E-03 1.925E-04 5.858E-04 1 6.197E-03 1.955E-04 5.858E-04 1 6.277E-03 2.026E-04 5.853E-04 1
1.638E-04 4.785E-04 1.038E-02 1.606E-04 4.786E-04 1.035E-02 1.724E-04 4.793E-04 1.033FE-02 1.724E-04 4.793E-04 1.034F-02 1.785E-04 4.806E-04 1.026E-02 1.815E-04 4.806E-04 1.026E-02	Z.135E-03 1.858F-04 %.663E-04 1 Z.156E-03 1.89ZE-04 5.653E-04 1 Z.175E-03 1.92IE-04 %.647E-04 1 Z.197E-03 1.955E-04 %.656E-04 1 Z.277E-03 7.02ZE-04 %.655E-04 1
1.050E-00 4.780E-00 1.03F-02 1.034E-00 4.789E-00 1.034E-02 1.754E-00 4.799E-00 1.034E-02 1.754E-00 4.806E-00 1.026E-02 1.816E-00 4.813E-00 1.026E-02	Z.155E-03 1.89ZE-04 5.553E-04 1 Z.175E-03 1.92IE-04 5.647E-04 1 Z.197E-03 1.955E-04656E-04 1 Z.27E-03 7.989E-04666E-04 1 Z.27E-03 7.02ZE-04 1
1.034E-04 4.789E-04 1.034E-02 1.724E-04 4.793E-04 1.034E-02 1.754E-04 4.806E-04 1.026E-02 1.816E-04 4.806E-04 1.026F-02	6.175E-03 1.951E-04 5.647E-04 1.183E-0 2.197E-03 1.955E-04 5.658E-04 1.165E-0 2.217E-04 1.989E-04 5.666E-04 1.147E-0 6.23E-03 2.026E-04 5.053E-04 1.23E-0
1.754E-04 4.793E-04 1.034F-02 1.754E-04 4.799E-04 1.033F-02 1.785E-04 4.800E-04 1.026F-02 1.816E-04 4.813E-04 1.027F-02	<pre><-i9/E-03 1.955E-04</pre>
1.7355-04 4.795-04 1.0335-02 1.7856-04 4.8066-04 1.0266-02 1.8166-04 4.8136-04 1.0276-02	Z.Z1/E-U3 1.989E-O4 >.666E-O4 1.147E-O Z.Z31E-U3 2.0ZZF-O4 5.653E-O4 1.123F-O
1./83E=04 4.805E=04 1.028F=02 I.815E=04 4.813E=04 1.027F=02	4.231E-03 2.024t-04 5.653t-04 1
1.815E=04 4.813E-04 1.02/F-02	
The second of th	2.252E-03 2.059E-04 5.664E-04 1
20-3620-1	2.2/3E-03 2.099E-04 5.686E-04 1
9.82 1.861t-04 4.832f-04 1.026F-UZ 2	1.026F-02 2.2M9E-03 2.136F-04 5.696F-04 1.066E-03

	RUN 498	B TR	1333	STANTON NUMBERS	CO-AXIAL THE-MUCOUPLE SHAKEDOWN TEST 12/10/79-12/12/12/79
	TIME	AL PHA	61 51	62 ST	13 51
503	868	64.0	1.948t-04	4.851F-04	<.329E-03 2.211E-04 5.725E-04 1.028E
3 7	206	9.16	2.017E-04	4.651E=04	
212	.910	76 v	2.052k-04	4.879E-04	2.385E-03 2.329F-04 3.771E-04 4.753E
213	.914	R. 83	2.087E-04	4.887E-04	4.407E-03 2.371E-04 5.792E-04
214	¥[5.	4.06	2-123E-04	4.894F-04	4-427E-03 2-414E-04 5-817E-04
215	. 523	ه. د د	2.159E-04	4.900E-04	7.444E-03 2.450E-04 5.841E-04
212	126.		2 23/E-04	4019405*	1.0727-07 7.4450F-03 7.4445F-04 5.473F-04 4.171F-04 5.0750-05 5.0750-05 5.0750-05
97.7	48.		2.26dE-04	4.9071-04	#0-3/10** #0-3676** C0-3/1***
219	434		. ~	4.905E-04	Z-51ZE-0.4 2-598E-04 5-919E-04
220	.943	7.69		4.90cE-04	Z Z.52/E-03 2.629F-04 5.931E-04
221	I d y	7.54	2.381E-04	4.897£-04	Z-543E-03 7-666E-04 5-944E-04
252	. 45.	7.3B	2.419E-04	**************************************	C.552E-03 2.701E-04 5.937E-04
22,	\$0.43 6.43	7.56	2.45/E-U4	401111111111111111111111111111111111111	2.741E-04
5,2	495	5 5	2.536£-04	**************************************	V=122E=03
326	195.	4.76	2.576£-04	4.83eF-04	2-507E-03 7-866F-04 5-937E-04
125	.973	14.4	2. n 16t-04	4.821E-04	2.907t-04 5.912E-04
228	. 477	6.45	N.	4.801E-04	2.636E-03 2.954F-04 5.906E-04
557	16.5	۸•30		4.7801-04	2.650E-03 2.994E-04 1.683E-04 7
(F)	486.	4.15	2.740t-04	4.758E-04	3 K-554E-03 3-037E-04 5-142E-04
162	7 7	ָּ מַ מַ מַ	2 1254-04	40121104	7.500F-U3 K.600F-U3 3.040F-U4 5.61]F-U4 7.629F-U4 7.629F-U4 7.629F-U4 7.609F-U4 7.609F-U4 7.60F-U4 7.6
; ?	. 0		7.4701-04	40 LUNC - 4	7.224F143 3.247F104 3.742F104
3,5		1.5.	2.4]*E-04	4.556E-04	Z-75/E-03 3-230F-04 5-709E-04
روغ	1.004	1.43	40-3654.5	4.028E-04	C. THUE-03 3.273F-04 5.663E-04
43٠	1.010	ر د . د	3.0046-04	4.00UE-04	<.814E-03 3.3251-04 5.651E-04
737	1.014	۶ .۱ ۶	3.0496-04	4.572t-04	3 C. H39F-03 3.367E-04 5.011E-04
ς 3β	1.014	۲۵۰۲	3.195t-04	4.54.ff -04	2.671E-03 3.414F-04 5.593E-04
≯ 0 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1.062	£	3.141E=04	4.515F-04	3
3 - 4 5 - 7	1.00.1	- 4	301010101	701 2-01 · 1	5 K-9KUE=U3 3.49IE=U4 5-551E=U4 5-
1 4	200	9 4	3.7405-04	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	7*************************************
	7 (0)	3.5	3 1265-114	4 40 75 104	#013#6#** #013#76** F013#76**
***	1 • 0 • 1	4.22	3.373E-194	4.3H3E-04	3.011E-03 3.656F-04 5.448E-04 6.
C#7	1.047	4.03	3.419E-04	4.360F-04	3 3.020E-03 3.703E-04 5.423E-04
740	1:001	3.95	3.460t-04	4.338E-04	3.04/E-03 3.75ZF-04 5.419E-04
142	1.05	*	3.512t-04	4.31VE-04	3 3.053E-03 3.790E-04 F.393E-04
* 1	200.1		3.738E-04	4.3017104	7-17-103 3-000F-03 3-840T-04 7-340F-04 0-04/F-04
	100	7 T	10-10-10-E	40777.04	3-0-10-03 3-0-10-04 3-0-10-04 3-0-2-2-03 3-0-4-6-04 6-4-2-04
ξ.	1.072	3.30	3.5466-04	4.261E-04	3 3-08/E-03 4-000F-04 5-36/E-04
747	i.075	3,25	3.1416-04	4.252F-04	3.094E-03 4.053F-04 5.356E-04
653	1.08]	3.14	3.756E-04	4.245E-04	3 3-100E-03 4-099F-04 5-354E-04
ţ	1.03×	3,03	3. H 30E - 04	4.241E-04	3 3.100E-61 4.15cF-04 5.35bE-04
í,	200	2,0	3.7736-04	4.2.38E-04	3-110F-03 4-206F-04 5-357E-04
2.57	· > 0 · -	2,70	3.4586-114	40.734.734.404	0 0-11-01
25.4	1.101	2.60	3.99%	40-174V-+	103 40 113 40 114 10 10 10 10 10 10 10 10 10 10 10 10 10
5	1.106	0.50	4	4.246t-04	3.143F-0.3 4.345F-04 h.378E-04 5.591E
760	1.110	٥.	4	4.25cE-04	3 3-143F-03 4-430F-04 5-364E-04
26.	1.114	2,30	4.114E-04	4.25rF=04	3 3.153f-03 4.47ct-04 5.3/6t-04 5.473f
707	7 7 7 7	÷ •	4.150E-04	4 54 56 104	3.160E=0.4 4.50ZF=04 5.3/8E=04 5.4ZBE
6 6	7:15	7.02	4.1845-04 4.7365-04	4.613t-04 4.2H1t-04	4.0.307-0.3 G.1/OF-0.3 4.534F-04 5.385E-04 5.383E-0.4 5.383E-0.4 5.014F-0.3 G.1/OF-6.3 4.57EF-04 5.344E-0.4 5.344E-0.4

11 11 12 13 14 15 17 17 17 17 17 17 17		BON 498	98 WTR 1333	STANTON NUMBERS	LO-AXIAL THEMPOCOUPLE SHAKEDOW: TEST 12/10/79-12/12/19
1.130 1.93 a, a,276 Lords		1146			12 ST TAST T& ST
1.13	565	1.130			4.590f-04 5.3/8E-04
1.13	566	1.135	1.84 4.276E-U4		4.64UE-04 5.385E-04
1,14	207	1.134			3.700E-03 4.6461-04 5.401t-04
1.147 1.59 4.515F-04 4.312F-04	508	1.143			3.703E-03 4.66cF-04 1.393E-04
155 153 4.373E-04	597	1.147			3.509F-03 4.6M5E-04 5.39ZE-04
1.155 1.43 4.93E-6.4 4.32PE-0.4	270	1.151			3.715E-U4 4.714F-04 5.400E-04
1.00	175	1.155			3.219E-03 4.133E-04 5.401E-04
1.10	272	1.160			3.229E-0.3 4.752E-04 5.405E-04
1.16	273	1.104	-		3.724E-03 4.760F-04 4.340E-04
	274	1.164			3.730E-03 4.780F-04 5.392E-04
1, 17	272	1.172			3.734F-03 4.805F-04 5.397E-04
1.18)	278	1.176			3-737E-03 4-816F-04 5-394E-04
1,184	277	1.180			3.745F-03 4.838F-04 5.408F-04
1.184	278	1.184			3.739E-03 4.651F-04 5.387E-04
1.193 .79 *.531E-0* *.333E-0*	513	1.184			J. TAVE-CS 4.88JF-04 F.401F-04
1.197	0 H 2	1.193			3-143E-03 4-888F-04 - 381E-04
201 4.554E-04	182	1.197			3.753E-03 4.913E-04 5.399E-04 4
1.205 1.204 1.204 1.205 1	242	1.401		-	3.756E-03 4.439F-04 5.399E-04
1.209	€87	1.205		-	3.25/E-03 4.954E-04 5.374E-04
1.21	* # 7	1.209	-		3.504E-0.4 4.980E-04 5.304E-04
1.21P	2Α5	1.21			3.761E-03 4.999E-04 5.363E-04
1.222 34 4.03ben4 4.31lFn04	586	1.214			3.770E=0.4 5.016F=04 4.369E=64
1,224	787	1.222			3.279E-63 5.040F-04 1.364E-04
1.231 .24 %.600f -04 %.294E-04	197	1.224			3.276E-U.S 5.058E-04 1.354E-04
1.23423 4.04UE-04 4.294E-04	587	1.230			3.283E-03 5.08ZF-04 5.367E-04
1.234 .10 4.045-04 4.2446-04 7.000/f-03 3.c046-03 5.112f-04 5.324f-04 1.243 .13 4.7056-04 4.2746-04 7.245f-03 3.c046-03 5.112f-04 5.324f-04 1.247 .09 4.715f-04 4.2546-04 7.0450f-03 3.c046-03 5.146f-04 5.346f-04 7.346f-04 4.250f-04 7.346f-04 4.250f-04 7.346f-04 7.346f-04 4.235f-04 7.346f-04 4.235f-04 7.346f-04 4.216f-04 7.346f-04 7.346f-04 4.216f-04 7.346f-04 7.346f-04 4.216f-04 7.366f-03 3.c046f-03 5.184f-04 7.326f-04 7.366f-04 7.36	240	1.234			3.784E-03 5.098E-04 5.356E-04
1.243 .13 4.705E-04 4.274E-04 5.692F-03 3.694E-03 5.146E-04 5.340E-04 1.247 .009 4.715E-04 4.254E-04 5.60F-03 3.674E-03 5.146E-04 5.340E-04 1.255 .001 4.730E-04 4.235E-04 5.60F-03 3.674E-03 5.165E-03 5.165E-04 5.326E-04 1.255 .001 4.730E-04 4.219E-04 5.235E-03 3.674E-03 5.167E-04 5.24E-04 1.25406.4734E-04 5.235E-04 5.235E-03 3.674E-03 5.206E-04 5.24E-04 5.255E-04 5.255E-04 5.206E-04 5.24E-04 5.255E-04 5.255E-	791	1.234			3.cdlE-03 5.112F-04 5.32EE-04
1.247	262	1.243			3.294E-03 5.146E-04 5.340E-04
1.251 .00	293	1.247			3.245E-03 5.153E-04 5.318E-04
1.25501 4.730E-04 4.235E-04	462	1.251			3.288F-03 5.166F-04 5.320E-04
1.25406 4.734c-n4 4.219E-04	Ę	1.255			3.781E-03 5.167E-04 5.241E-04
1.26310 4.7302-04 4.2015-04 7.5647-03 3.7415-03 5.2007-04 5.2905-04 1.264 1.264 1.264 1.265-04 4.1305-04 4.1305-04 1.272 1.20 4.1305-04 4.1605-04 1.200 4.1605-04 1.200 4.1605-04 1.200 4.1305-04 1.2005-04	667	1.254			3.782E-03 5.189F-04 F.280E-04
1.26h15 4.730E-nw 4.181E-0h h.584F-0.3 3.267E-0.3 5.267E-0.4 5.760E-04 h.257020 4.334E-04 +.180E-04 h.595F-03 3.266E-03 5.200E-04 h.259E-04 l.27724 4.724E-04 4.137E-04 h.590E-04 h.590E-03 5.201E-04 h.259E-04 l.28029 4.721E-04 4.090E-04 h.594E-03 3.249E-03 5.201F-04 h.219E-04 h.594E-03 3.249E-03 5.201F-04 h.219E-04 h.590E-04 h.590E-03 3.249E-03 5.201F-04 h.217E-04 h.504E-03 3.249E-03 5.205E-04 h.217E-04 h.504E-03 3.249E-03 5.197E-04 h.217E-04 h.201E-04 h.201E-0	247	1.263			3.781E-03 5.200F-04 5.790E-04
1.27220 4.733E-04 4.160E-04	298	1.264	-		3.267E-03 5.1945-04 5.260E-04
1.27624 4.7286-04 4.1376-04 h.5550-03 3.2546-03 5.1956-04 h.2296-04 1.228029 4.7218-04 4.1146-04 h.5298-03 3.2498-03 5.2016-04 5.2198-04 1.228439 4.7128-04 4.0908-04 h.55008-03 3.2468-03 5.2036-04 h.2178-04 1.29344 4.0918-04 4.0428-04 h.55008-03 3.2778-03 5.1908-04 f.1448-04 1.29344 4.0918-04 4.0428-04 h.55008-03 3.2718-03 5.1908-04 f.1448-04 1.29744 4.0408-04 4.0188-04 h.55008-03 3.2718-03 5.1798-04 f.1448-04 1.29744 4.0408-04 4.0188-04	568	1.272			3.264E-03 5.200E-04 5.259E-04
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, ,,64	кТн 1333	CO-AXI	CO-AXIAL THERMOCOUPLE SHARFOOWN TEST	OUPLE SHA	NFDOWN TES		12/10/79-12/12/19	412719	
ALPFA	0	01	101	MACH	PINF	TINF	UINF	RHUINE	REINF
٠ p :	19944.3	2664.1	3220.0	14.36	F * * 0 *	47.1	6683.1	1.3276-03	3.445E+06
- n	0.00661	2674.6	3227.0	E 4 .	0420	9.18	6069.1	1.338F-03	3.907E+06
5 :	19976.3	00/07	3233,4	0.41	94.00	4.88	0000	1.348E-03	3.920£+06
٠,	19995	7.4007	3639.6	1 · · · · ·	0 to 5	9.00	6694.5	1.360E-03	3.934E+06
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. ~	2005	2047-2	3254.6	0.4	0840	0	10010	1 3474-13	3.774E + U0
5	20072.1	5.5697	325%	14.17	0940	6.07	6716.7	1.402F-03	3.992E+06
07	20094.1	2703.7	3204.4	14.15	14.0.	40.7	6720.H	1.4111-03	4.003E+06
6	20115.4	2,1075	3264.3	14.14	U. 4.4.0	91.0	6775.1	1.4191-03	4.013E+06
2 5	2014102	2711.5	3274.5	16.12	A	47.	0729.6		4.020£+06
- 1	20103	0.017	32.73.0	11.41	5050.	91.6	0134.2	1.4301-03	4.025E+06
; ;	20210.4	01110	35.00.0	* 4	0 10 0	7 0 7 0	1.4610	00-1404-1	4.027E+06
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.07	20474.1	2734.2	3304.0	14.07	2100	8	0/60	10-10-4-10-4-10-4-10-4-10-4-10-4-10-4-1	4.017F+06
5	0.20505	2742.9	3315.1	14.07	67.0	,	6765.5	1 4 3 4 5	00116
5	20314.9	2147.6	3321.2	14.07	4100	7	2770	- 0- 14C4-	00 11 10 v
07	20337.6	2122.2	3327.1	14.07	-1c0	6.0	6776.2	1.436.103	4. GOAF + OA
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20	20377.8	2761.0	3338.4	14.07		4	447	1 4 3 3 K 1 0 3	1000000
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67	20434.5	4170.4	3356.1	14.06	9100		0000	3	3.4576+06
20	V. 14405	67773	3306.5	14.06	7150.	W . 4 %	7.1099	1.429F-03	3-9735+06
۲,	20443.4	2783.1	3366.7	14.06	.U518	4.46	4.11.00	1.4291-03	3.949€+06
20	50477.4	5.986.5	3370.8	14.06	.0516	4.0	6615.0	1.4291-03	3.94hE+0b
5 5	20491.6	2764.3	3374.0	14.CU	.0519	7.45	5616.h	1.4241-03	3.943E+06
	V-0000	27.70	0.000	n 1	0250	E of	1.7200	1.430F-03	3.941E+06
	7 4 4 4 6 7	0 4 7 7 0 0	20000	14.00	1200.	5.04	0.00	FO- 4054.1	3.439E+06
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6	0.10105	2011.1	3404.4	14.03	9750	6.46	0.0400	1.4316-03	3.41hE+0h
-01	2001500	2041).0	3414.4	14.62	1250.	46.1	6653.3	1.4316-03	3.9136+06
67	6.26.05	20c+•0	3414.5	14.66	9750.	25.2	6.7500	1.4301-03	3.407£+00
67	Z0041.4	2864.1	3464.0	14.02	. 0569	40.4	4.2494	1.4291-03	3.901E+06
. 0.	7:00r.	2026.2	3430.1	14.02	4200.	43.6	6867.1	1.4291-03	3. H45£ +06
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20	0	700.107	7.045	0.1-51	0.00	7	3		0.00 FT + 00
.0.	207-11-1	4.4.00	34/1.4	44.61	4500	3 6 7	2000 A	1-4241-03	3.7515.00
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7	20174.3	2.1007	3477.4	13.50	05.00	1.	0.71.0	1.4241-03	3.847E+06
10	4017107	40100	34/5.4	チナ・ツー	.0340	44.	6910.5	1.4241-03	3.845E+06
10	100002	787 C.C	3446.6	37.5	75.0.		69169	1-4254-113	3. K47F+C5
٥,	6-12-12	26/4·1	3404.	7.7 ° T	1500.	F. 1.F.	0.4140	1.4251-43	3.844E+06
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10.	1.624	7.47	3.541	667.43	16.01	131.49	20.634	46.07		88.38	5.4
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.07	3.631	•	194.5	631.60	72.433	130.31	9.17	46.1×	4.541	88.41	5.41
٠n٠	5.4.37	•	3.541	631.03	7666	130.53	24.174	86.15	272.4	•	¥04.
` ·	3.03.C	7.4.	1.00°	636.19	564.57	130.07	141.00	7.00	* 20.4	ŭ.	704.0
) ·	3.644	7.4.7	160.5	C3C. 15	16.504	10000	68-173	77.00	•	ŗ,	
.0.	740.	0/4.7	360.5	< 33.41	75.15	139.16	20. 70	90.24	•		4.0
2 -	400.0	104	0.040 0.040 0.040	(13.44)	74.54	00.00	35.3600	7.00	4.7.4	84.73	
•	• • •	٠.		•	• • • • •	37 • 4 •	7. *****	- C - C - C - C - C - C - C - C - C - C	•		•
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		•	7.0.5	41.000	16.73.	.1.0.	4-1-4/	4.00	4/7.4	64.64	7.430
	- 	144.	3.6	171.361	10.16.	15.0.4	70.1-1	40.4	4.6.1	HH.87	124.5
		i r *	1. O . t	631.07	11. 33	10.001	70.476	400	4.605	16°HR	7.436
	1 1	() () ()	7 - L	6 3 C + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +	*	,	1.5 T • 2.7	n .	オイン・サ	40.00	5.434
	;		2000	37.07.7	76.716	370	3: 3: 3: 3: 3: 3: 3: 3: 3: 3: 3: 3: 3: 3	00.00			
	· *	**	1 V U • 7	11.34.3	12. 5.	141.31	2/400/	3000	0474	10.78	20 4 . C
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	; ;		3.0 14	(37.43	16. 55	101-1	20.674	00.00	4.610	. 0	7.434
	7	. 4.3.	3.644	641 +34	76.754	1.1.(5	26.1.35	db.br	4.611	44.15	5,433
	ۇ ر 2 ك	7 7	10 to	741.11	16. 13	U.F. = T & T	7007	30.0	617.	74.10	7.4.7
10 10 10 10 10 10 10 10	3	1340/		07.00	45. (7)	C. 4241	777 60		5 C C C C C C C C C C C C C C C C C C C	V. V	
	1.4.1	* * *	3.070	(46.5)	(3. •)	146.74	, , , , , , , , , , , , , , , , , , ,		4000	(P () X	4.6
	4.60.	7040	1.0.1	643.63	10.044	17001	\$ 13 + 2 7	. H • QB	4000	HY.37	184.0
	シベル・	T * * ′	3.1.10	によりまし	130.14	145.71	75.0.40	80.0	4.615	HY.37	7.497
	1.74	\ T • · \	3./10	22000	16.51	1+3+15	2.00.17	d6.4	¥().	H 1.40	105.5
	4.7	: 1+*/	3.731	-1-747	13.000	143.34	71.550	86.3.	4.613	トす・11	7.531
	, , , , , , , , , , , , , , , , , , ,	7 7 7 .	7.1.5	22.042	73.144	140041	21.01"	4.45	1) 1 2 • 5	40.04	7.56%
) · ·	5.1.5	D/ *C+7	/2.10/	16991	21.13	40.4	4.613	45.54	r. r
		\	1 1	L	1.5.1	74.94	27.007.	30 1	4.673	14°41	J. 104
		1 4		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10		C. C. 17	3	4.01	7	7.47
	- 44	· · ·	1 0 0 0 T	7 9 9 9 9	40.00	\	U. *	, n • / p	4.6/3	~ · · ·	C
		- - 4	- Y			7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	150-10	Č 1	4 T V • 4	7.5	
		7 7 7	- K - Y	****	(44.43)	44.00	0000000		0 0 0 0	7 3	
	3.316	-	3.445	= L . J # 0	13.70	6	- A - O /	71.10	7.7.7	- N - 7 E	, ,
	142.8	:1	To Kee	11.107	13. 401	10.33	10 C/	>-/9	4.677	00.08	, 43
	107.8	1340)	6 × 6 × 4	67.002	11	144.30	70.07	97.0	E 1 2 0	50.05	. W
		· • • C	** U 2 *	05.102	(4.763	15.44T	70.415	17.74	4.613	40.14	3
		- F, 4 • \	111.	12.102	14.763	140.14	10.213	H7.3	4.641	40.24	7.18.
		· 4.4-	4. U. T. * #	(36.41	14. 40.3	40.041	80.115	67.9	4.2.18	20.04	102.4
	•	1	1220.1	110.002	7447	145.11	774.45	87.3	4.617	ትይ • ፡፡ አ	74.0
		4 1	1	11.500	E	1.5.36	3 :p+c,	87.32	4.2.4	50° 11°	15, 0
	· ·	n :	40.4	61.462		140.36	(5.0.4C	87.4°	747.4	70.57	550
			- i - i	27.46.17	77.47	140,36	10.44G		~ · · ·	40.54	5.664
		1/4		75.10			0 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2			5.1.00	66.0
	·			40.00			3 0 + 1 /	: : : : : : : : : : : : : : : : : : :	0 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	200	0,000
	: • • •	7	1 1 1 . 4	01./62	15.41	140.41	/+•1 +D	37.5	4.377	70.17	7-10-7
	٠٠,٠	: UC • \	370.4	(2/01	16. 11	0 to 1 to 1	73.677	47.5º	5-E-4	91.17	7. 111
	100	. U.C.	700.4	76.067	16. 31	145.67	73.514	41.00	4.346	41.34	7.07
	·	: 10°	7.136	411.4C2	17.134	140.50	76.030	87.0	4.407	04.17	1.627
		/ J C • .	7.65	41.467	66.	10.4	×10.5	91.0		CY - 15	1.745
7.55. 7.62. 7.74. 125.04. 7.14. 4.27. 7.14			,	707.70	137 607	140.30	0 2 - 2 /		٠ • •	* 6	
7.30	, ,	, tu	2010	//-103	74.463	10.04	4 + 4 · - \			7. 1	101.1
7.30 (1.7	100.	7.00.0	2000	17.17	12000	7.4.00		170.4	00.00	
7.58" 5.46 CD5.50 d1.02 144.61 20.045 d8.04 4.548 96.55 4.05 7.58" 5.46 CD5.50 d1.02 144.47 19.573 d8.04 4.55 92.76 9.31 7.50 CD5.51 CD5.51 CD5.51 144.67 19.575 d8.07 4.557 92.76 9.31 7.50 CD5.51 CD5.51 CD5.51 144.17 10.57 4.85 10.57 7.86 10.18 7.86 10.57 7.86 10.57 7.86 10.57 7.86 10.57 7.86 10.57 7.86 10.57 7.86 10.57 7.86 10.57 7.86 10.57 7.86 10.57 7.86 10.57 7.86 10.57 7.86 10.58 7.86 10.87 7.86 10.	1:10	176.7	270.0	6.4	704°0#	144.70	70.013	7. CE	40.4	95.96	1
\(\text{\cos}\) \(\text{\cos}\) \\ \text{\cos}\) \\ \text{\cos}\) \\ \text{\cos}\) \\ \text{\cos}\) \\ \text{\cos}\) \\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1.1.1	7.541	1/2.0		50.010	144.61	20.645	24.18	4.048	96.55	4.05
41/ (-504) 6-504; CD0-cf 61.643 144.26 14.363 64.0. 4.557 92.9] 4,50 41/ (-504) 6-514 144.34 14.34 14.34 144.34 14.34 14	١,٠,٠	, pg. /	5.413	700.00	70v*Ia	144.47	19.673	4 A 8 . U 4	544.4	92.76	7.317
41/ / 201		140.1	6.041	200.E.f	41.443	144.26	17.365	38°C.	144.4	42.91	401.
7-011 [-136 COT-18 GIACO [44.0] [8.574 3.40 43.40 43.41 4.505 43.41	/ 1 4 -	190.	0.707	701.77	41.15	71.17	اره٠٥١	34.0.	4.530	43.12	7.880
7.501. 7.501. 7.502. 7.503. 1.	· ·	119.	£5.1.4	e.	005-10	L 0 • • • I	18.5.4	38.1	4.5/1	43.40	10.197
YH*Ch	7 7 7	3 7	F - 17 - 1	17.107	101.72) * · S * [13.14	4 P P	4.505	14°54	10.521
	,,,,,	0 0	170.1	20.500	٠, ا	9.0	16.00	88.1	274.4	43.HF	10.875

<u> </u>	7774	4TP 1333	CO-AXIA	CO-AXIAL IHERMUCOUPLE SHAKFGOAN TEST	OUPLE SHAL	SECONN TE		12/10/79-12/12/19	61/21	
Ĭ	ALVIA	01	10	Lo.J	I) i k	1211	111.6	÷1×1	RHOINE	KE IN
7: -	35° A	40162.4	3.446.2	35/3.4	13.40	Teen.	101.	6941.1	1.4108-03	3.7) >£ +06
101.1	70.7	20113.9	6945.1	3572.6	13.40	uccu.	101.	6474.	1.46.45	3.715£ + Ub
1.10-	10.00	20044.3	2443.7	35/11.1	C7 • 7	JCCU.	101.7	- LIFO	1.4055-03	3.715£ + 06
- I - I	10.32	20647.1	り・ノキハン	3551.1	1 4.50	¥400.	101.6	4.4.40	1.4000	3./1>t+0b
1.11	10.05	20071.1	< > 1 + 4 >	3560.0	14.00	. CD+Q	101.6	1.4.4.0	1.4084-03	3. / 1 >E + U b
1.11.	10.47	4.7.402	V = 15 K Z	3553.	13.50	0240.	101	ちとてている	1.4071-03	3.715E+06
1.122	11.20	5004 1.7	19.40.00	3500.7	0 ~ + 4 7	1.400.	101.4	0.0140	1.4071-04	3.7176+66
1.12	11.61	20530.0	6.4567	4501.4	11.00	1+0.0.	101.	1.1766	1.46/1-03	3.7196+06
1.13	11.53	20010.1	441842	C. 1. 2C1.	13.41	4 co.	301.Y	5973.	1.4075-03	3.777£+Ur
1.13	16.64	<00007	ん・ハンスン	7. L. T. T. C.	77.5	C+CO.	101.0		1.4075-03	3.720£ + UB
1.13	12.55	207H1.3	よっとヘテヘ	3543.6	13.51	C#C0.	1 co. c	6765.7	1.4U8F-03	3.7 11E+Uh
	12.06	1.71502	24140	3557.3	1.54.7-1	4400.	100.7	ひかしが ひ	1.4095-03	3. 730E+Uh
1.141	13.14	2055(• 3	4.1 1.7	3550.1	11	.05*4	100.4	たかいない	1.4111-03	3. 1472+06
1.151	13.46	20234.8	0.1380	3261.4	21 **	.0243	100.	4.0744	1.41313	3.7-7E+00
1.15	13.74	20%×05	エ・トラエト	3216.0	14.47	2400.	T • 7 T	6.47.40	1.415-01	3.764E+06
٦. اق	14.04	7.0505	7871.7	32000	13.5	240.	77.0	6.4749	1.4.160.4	3.743E+0c
1.164	14.33	20440-1	1・115/2	しゃことなる	13.53	1440.	44.3	4.4.40	1.4201-03	3. 7-nt + 46
1.16-	14.60	V	001/42	3470.4	13.63	0400.	7 • 4 7	6.00 cm	1.4641-03	3. H 15t + 06
1.17	10.4	20441.5	1967	4457.6	\$1.4E	.0539	1 1 7	5046.4	1.4275-4.5	3.4 34E + Uh
1.17	15.14	2012502	6.1505	3406	13.54	.0330	¥7.	DDH4.1	1.4311-113	3. H 14 E + 11 h
1.18	15.40	20405	40.34.5	34.55.7	13.5	,053/	71.2	4071.4	1.4308-03	3.870t + (10
1.164	15.65	203M2.0	2007.1	34611.3	13.45	0500.	47.1	1.1.00	1.4401-113	3. HUYE + 110
1.18c	15.44	20375.3	2014.3	341)4.1	13.46	ctcu.	4.0.0	6843.7	1.4451-11:	3.47.36 + 06
1.141	16.13	20340.3	C#1:1.1	3341.5	13.57	.0734	۲۰:۰	660h	1.444-1.3	3.44 7E+06
1.197	16.3-	2032-0	2767.7	33/4.1	Z F • T)	. 6733	٠. ٢.	0.4[50	1.4347-13	3.47.3E+UP.
10.	16.57	20307.	7774.1	3353.1) r • c –	2640.	ر. د.ک	0.4410	E 0 - 144.	3.4442.405
-0 < -1	10.6	ロ・スケンのマ	4,007	3330.6	13.44	16.9.	7.4.	47.3.2	10404-13	** £2nt +00
. 0.	10.4	202711.05	2/40.4	3317.6	14.00	u t-0.	36.6	6 fra . 7	1.404-1	4.0-3E+Un
1.1	17.17	406202	6733.6	330/01	1 · • • 1	, UDC y	1.5.1	67.3.7	1.4741-02	4.0 × UE + Ot
	16.3.	2093000	H** [/~	3645.4	7	0240.	C * E 7	0/38.00	1.4004-1	4.104E+Uc
1.72	17.52	きゅうへんさん	4.4010	3604.3	√ □••	1250.	7.04	1.8219	1.4004.1	4.1.35E+Ub
10/01	17.6.	1.0000	ソ・ドナモへ	3626.7	14.13	۰ مےدو،	46.0	0.4014	104467-101	4.14.46.00
<u></u>	17.04	Z0]H2.4	1.524	3636.7	* * * * * * * * * * * * * * * * * * * *	.0064	٠.١٠	665.4.09	1.4431 10.4	4.1-0E+Ur
. J	17.5-	2017-15	2011y	3664.7	14.15	.0243	c •	1.0.00	1.5001-6.4	*O* #7[7.*
	10.11	2017.4	4.4507	3004.7	14.15	.0543	٠ ن ٦	4645.	1.45054-1.3	** < 4 DE * UD
. 4	10.07	2014.3	CO# 1 . C	31,4.1	14.:.5	3 240.	ت. د د	4.1.00	1.51]1-103	4.2141.40t
/**	18.31	€0130.A	7000	31/3.3	14011	1200.	۲. ۲.	2.1.00	1.0101-10.	** 302k * Uc
۱, ۱	- # · D	2011c.c	10100	31-1-5	1	0260.	- 7 :	107704	1.776-1.3	4.3316.00
٠, ۲	16.51	20101e	200 100	41414	1	4400.	r • t = z	44.0.4	1.17561	4. 14.05.404
٠,٠	18.50	1. 1-1002	7.07.57	317.5	7 1	31CA.		1.17.00	1 1-1554-1	4. 300E + UA
4	4	3		4		:	٠			•
				1	\;.•.	0000	•	Ca***		30+3/17.55

	15 001	11.50	11.471	14,355	12.705	1 3, 084	13,433	13,405	14.191	14.434	14° x 97	15.275	15,636	15.017	16.35H	16.745	17,126	17.484	17. 450	14.224	12.145	14.467	14.32	14.70.	410.07	ZU.40h	20.134	166.05	21,29	21.461	21.41	22.131	22.192	22.380	22,554	22.44"	22,151	22.197	22.140	72.H3r	22.155
	T5 TW	94.43	94.71	66.46	95.31	45.67	94.02	96.34	96.73	97.08	91.43	97.72	70.07	94.46	96.83	99.50	99.59	100.02	100.44	100.83	101.26	101.72	162.18	102.64	103.02	163.48	103.91	164.30	104.72	105.22	105.6R	106.24	166.67	107.02	107.45	107.77	108.19	104.58	104.00	104.32	10%.64
	Tough 41	4.437	4.421	4.411	TTO	4.30]	4.376	4.377	4.35.9	€ X € . 4	4.34]	Q. Y. D. *	4.400	604.4	4.336	4.344	4.377	4.350	4.336	4.318	067°4	4.273	4.644	4.618	4.1.1	4.143	4-144	770.4	4.059	64.0.4	4.015	3.440	3.942	3.916	3.904	3.613	3.636	3.747	3.779	3.759	3.717
	T 4 T	48.61	7.84	. 2.88	48.64	, 2°84	HG.S.	FB.33	96.30	48.89	44.44	24.40	4.60	44.0	58.54	68.51	ġδ.h	88.6.	49.04	98.t.	68.6	P P	88.7·	86.71	48.7.	48.7.	68.7-	88.77	48.7	86.74	80.8	88.81	48.61	88.81	98.6	88.6	08.h.	86.41	48.b	46.6	99
*/ /×1																																									
18/10/75-12/12/15	12 won	17.073	10.739	10.451	16.040	15.7.6	15.323	15.01	14.736	14.330	13.547	13.7.5	13.41	13.105	14.11.0	14.4	12.1.9	11.84	11.544	11.300	11.03	10.141	10.450	10.64	コンカ・カ	4.1.1	7.04%	9.640	5.00 × 6	4 [D • D	240.0	2.11.0	1.2.0	N. 104	0.017	7.84	1.7.0	1.5.th	7.450	7.4.70	1.54]
	16 14	143.41	143.13	146.91	146.70	146.30	146.34	146.05	141.4	141.64	141.43	141.67	141.00	140.041	140.15	140.36	10.041	137.60	137.54	137.30	13%.10	150.37	130.61	150.31	1.30.10	131.42	131.54	131.37	136.13	1.50 . 0.1	130.62	130.33	130.17	14.41	1.45.70	135.41	135.66.1	64.451	1 14.10	134.50	134.37
SHAFF OFN TEST	10-00-11	1430	86.703	46.54	401.20	447.79	74. JH	83.584	A3.43h	B3.465	280.08	83.453	8354	33. 50	H3.535	H3. 132	204.60	P.S. 714	451.54	200.65	66.703	84 45	56.366	405.38	121.28	91.00	61.761	61.173	ガナス・コロ	HU. 714	40,404	Ru.151	7455	79.] 60	100.01	10.01	365.12	71.000	11.00	10.00	70.730
וינטטאוב	11 14	40.012	c11.40	c711.30	cleanl	613.30	614.63	74.36	£112	<7. T	C11.90	111.11	<10.012	617.18	C75.11	44.062	711°127	201.F7	44.202	50,000	C03.CV	Cb3.642	62.402	44.447	44.00 2	200-002	42.082	400.60	Zb0.47	661.53	261.46	Z50.40	[4.62	14.402	02.KQV	04.402	CAC • 04	47 162	CA0.062	V/ " OKV	64.040
IAL TAPPMET BUPLE	1.3 GOOT	x • 1 3 3	2000	8.100	こでん・ひ	7.6A.Y	V. U.U.	7.0AC	10.140	10.445	10.000	11.139	11.413	11.714	14.014	14.300	12.095	12.017	13.150	13,413	13.007	16.434	14.134	14.370	240.4	14.743	14.473	15.041	15.624	15,350	15.454	3,44.41	15.626	10.050	15.731	15.75	12.108	15.704	15.744	15.710	15.062
こい - カメリ	62 1:001	1.037	480°	1.04n	- C	1.04	140./	×.603.	1.037	1.634	(\$4°)	(,0,	7.01v	2.611	* ac *	1,40.7	1.554.s	115.7	¥60.	1.545	166.7	7.51r	1,000	* L	404	1 * * * /	3 (A)	104.7	125.	1.36×	1.8.	1.36.7	*700.	ノロソ・ジ	107.7	/• £3 "	1.612	1.414.5	·171	747.0	10101
4T4 1333	1020-19	1.1	7/0-1	1.001	, 1 1 1 1	7 4 5	٠٦٠.	; T.		- # L •	\ \c •	٠ ٨٠	1,41	. 7 4 6	72.		٠,٠	146.	4. (i) *	<u>د</u> .	124.	. 3.0	۲ ۲ ۲	172.	, ,	~15.	₹88. •	\ ' '	.16.	\ } •	\ T (• 1	160.4	1.000	1.00 · I	1.04.4) • C C C	1.11.3	1.17	1 . 1 3.	1.147	1.153
? ?	ALV. P.	4.35	7	00°u	10.36	10.05	10.57	11.63	10.11	11.43	12.64	17.55	17.00	91.1	1.40	14.15	40.4	14,33	J 0	1 * • 0 d	1-1	1.40	15.65	17.84	14.13	دلاء ۱۰	14.5/	14.78	10.98	17.1/	66.11	11.56	17.69	17.84	4. V	1 1 1	1-,62	1 33	1.443	14.51	14.54
Z .1	ž -	16: 1	101.1	1.10-	1.11	1.11.	1.11	1.122	1.12	1.136	1.13.	1.13~		1.147	1.15	۱.۱،	1.16:	1.16-	۱۰۱۴۰	1.17	1.17.	l .] ¤.	1.184	1.18.		101.	1.701	1.204	1000	1.714	1.21-	1.722	1.26h	1.23.	1.234	1.735	1.4/.	144.1	1,251	1.25	- 107.

	KON PAG		WTH 1333	STANTON NUMBERS	UMHEAS	10-4710L	THEFMUCOUPLE	CO-AXIAL THEXMUCOUPLE SHAKEDOWN TEST	17/10/79-12/1//75
	TIME	AI PHA	61 51	15 29	18 89	11 51	7 2	17 41	12 21
68		.07		3-190F-04	4.41/E-114	4.136F-U3	3.770t-		6.66
ے ک	.404	70.	4.495t-114		4.438E-04	4.073F-03		1. 114E - C4	
<u>ئ</u>	104.	.00	4.460L-04		4.401E-04	** 036F-03		5.0 / UE - 04	
76	.411	.07	4.427E-04			\$. 000F-03	3.t02E-0.4	>- 4695-04	
	414.	.07	4.397E-04			7.946.5		1. INDE-04	
* ?	0.44	0.	4 - 17 Ut - 04			F0-4505*T	3.556F-0.4	F.155E-04	t.455E
r 3	424	0 0	4.3455-04	3.011E-04	4.676E-04	E0-1008-1	346-0.4	5.110E-04	0.404E
6 6	U 7	5 6	4.3646-04			701 1700 1	10-10-10-10-10-10-10-10-10-10-10-10-10-1	**************************************	
	7.4	•	40.40 FEB.		40-325-4	50-3722	20-100F-0 4	1.055E-04	0.337E=04
3	-		4071764			7775-03	F.01-125-4-7	#0-3820 °C	6.301F=04
100	- u	. 0	4. C 70t - 04			A. Takina	-	# C U X X X X X X X X X	7777
101	7 4	0.	4.272£-114			ED-1971-0		45145664	
102	.453		4.C71E-(14			r.7186-03		40-17/1-04	G-2516-04
103	154.		4.272E-04		4	1.690F-U3		40-1454-4	5.62/F-1)4
104	.401		4.275t-114			4.687F-43		4.436E-04	r.420E-04
ر 105	.464		4.<**********			1.6411-63	3.4421-1.3	すのールコのチャマ	n. < 1 > f - 0 4
106	0.4.4.0	.0	4.C80£-114		4	1.0441-03		40-3617-0	
101	474	~ ?	4.CYCt-14			N. 70503	3.44.L	4.437E-04	n.225E-04
0 0	D (0.	マロー ヨケアノ・マ			3.7001-03	306495	4 - 4 C/E - 04	. 22*t
	284	ò ?	4.305E-04			4.7115-03		4011027・1	D. C 306-04
0 1	\$ 0 \$ 0 \$ 0	0	4.311E-64			n./1/f-03		オンールオのナ・マ	. < 34E
	C	•	4 - 110E - 04			7.76-03	4.4 34E - C.4	401 30E - 4	A.244E-04
711		0.	4.1196-94	40-1185.N		K. 72cF-03	3.4.28F-03	40-104C-7	. 253E
511	7	0.	4 • .422E = 04	40-1464		1315-03	3.425F-03	401104	
• •	.00.	70.	4 - 3636 - 114	7.436E-04		7. 1335 - U3	3.471E-0.4	4.4516-14	7.47
677	700.	.0.	40-1635-04	40-186A.2		20-1161-03	3.41/1-0.3	#014[67.44	1150
٠,٠	110	5 6	4.3615-14			4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	4.0	4.4556-04	0.247
: x	r10.		4017471.4	40-1565.2 26-14:40 S		7215		4014047	
: 7	, , ,	•	40171104		#013+#J*#	72.6103	2011104.5	\$0-307.a	
			4.3116.4			7476 - 12	501 UK04 57	\$ 0 1 4 3 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1,70
171	554	. 0	4 - 400E - 04			7 101-03	2001004.6	40147714	700
125	0.00	0.7	4			717 65 -134	2000000	401440000	7.234
123	40.	0	4-137E-54			6.7214-03		40 TOTAL	D. 234F
124	. 544	.07	4.783E-114			n.727-03		4012[27.4	6.429E
دځ۱	740.	10.	4.777E-114		4.667E-04	N. 130F-03	3.399F-C	401 山木にア・コ	
120	.553	.07	4.6761-114			r.1101-03	3.348E-0.1	40-37K-04	
127	144.	20	4.757E-04			h.731+-03	3.39cf-0.5	4の14277・4	
L 0	00.1	•	4	4. 43.104		7. 15UF-U3	3.349E-0.3	4. 4551104	6.245F
	600	•	# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		*0-11.70**	10 1 16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10-10A0-0	40-30KA*4	2007
2 7	47.5		4.7.007.44			N. 1945 - 1	, O U U U U U U U U U	\$ () J Z Y Y	
132	175	0.7	4.74/1-114			P. 754F-03		40-27-1	447
133	585	10	4.7441-14	40-342-04		7711-03		40 1 3/ 17 4	
1.34	196.	.07	4.744E-114	2.9235-04		N. 756F-U3	3.34ct-03	40-1/8F-04	6.251E
٠٤.	070.	10.	4.C40E-04	2.421E-04		4.759F-03	3.34UF-0.4	4=1 1707.4	n.274
1.36	•564	10.	4.134E-04	2.920E-04		R. 7001-03	3.3775-03	40-400F-U#	
137	666.		4 30F 4	2.91hE-04	4	H. 1656-U3	3.376t-6.5	4.7H]E-04	
¥ 6	£ (10°		4.7385-64	7.517E-04		8.7/76-03	3.380F-0	4.471E-04	4
7 .	100.	0	4.7 30E-04			0.75403	3.35/F-U.1	4. 4. 4. 4. 4. 1. 1. 1. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	6.255E
) - • •		0.0	4.6396-114			K. 75/F-03	3.35/1-0.4	4.4256-04	0.25UF
	r :		401 4047 4	7.412t -04		50-45C/ • · ·	3.357E-11.4	40124	5.45.7F
; ,			4.744.44	*0-5115°	**************************************	50-10-46	5.370F=0.4	オコードコング・マ	1000
7 7	100	200	45111447.4	4014704	40-14-07-4	17.755	501404949 5014045	40-4776-04 40-4777-04	7. NAVE 10.4
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0 4) n n	0.0	•	7.905E-04	4	1.07541-03	3.35.38-0.4	4-4735-04		
G *	070		4	Z. 904E-04	4	r.754F-03	3.370E-04	40-101-C4		
* :		10.	4	40-170A-7	4	1.7445-03	3.3596-03	401467・3		
C .	***	.0.	4	2.900E-04		G. 7565-03	3.3616-63	40-16-04	40-1142.4	
A :	0		4	40-HAHE-04		4.7515-03	3.3hUF-0.1	45-316-54	t. 240£ - 04	
٠ د ۲	. 655.	70.	4	*************************************		7.7475-03	3.3546-0.4	40~140~14	0. Chot -0.	
7	100.	0	4.702t-04	C.8931-04	4.212E-04	".761F-03	4.364E-0.3	すつし おくじき・1	h. < 45F = U4	
25	.661	.07	4・11311114	2.691E-04	4. <12t-04	E0-1141.2	J. 3556-6.1	40-47500		
153	.665	.07	4.264E-14	2. HHB1-04	4.6115-04	755F-03	3.354E-0.4	20.4074-04	40-3645	
154	. 664	10.	4.265E-04	4.8H5E-04	4.2116-04	c.1575-03	3.35ct-01	オコールンオア・コ		
٠,	.671	10.	4.26.06-114	2.8AZE-04	4.210E-04	4.766F-US	3.3544-03	4.440t - 0.4		
150	.617	.07	4.765t-04	4.E-04	4.209E-04	A. 7731-03	3.351E-63	4二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十		
157	760.	.07	4・ノたなだーにも	2.H77F-04		8. 758F -03	3.3386-03	401700	40-1445-5	
54	.644	.07	4.1036-14	2.474F-04		r. 700F - U.3	50-38E55	40-110-04	5-254F-04	
20	169.	70.	4.761t-14	2.H711-04		b. 7835-03	3.3448-(11	40141474	40-1497-04	
160	469.	10.	4. < 5.7 × 1.14	2.866E-04		F. 167F-03	3 - 3 34F - 11 3	4 1 1 1 1 1 1 1	4014/4/	
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29	.70%	.07	4.735E-04	2.863E-04	4.200E-04	E. 76 3F - 0.3	3.31.9E - C.A	401450744	40-47-7-0	
63	.707.	20.	4.2526-114	2.861E-04	4.198E-04	1.77703	3175	#U JEC 7 4	40-46-7	
74	.711	.07	4.249E-04	2.459E-04	4.1901-04	r. /347-03	3.34cf - 0.4	45176/314	46-16-46-6	
ζ	.115	10.	4.245E-C4	2.857E-04	4.1441-04	T. 7581-44	4 4 4 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4		4013442	
٥	.77	20.	4. CAKE-04	2.h56F-04	4017/1104	7.07601-03	3 - 1 CF - 0 4	40 44000	201104 40404 40404	
2	.723	.07	4.738E-04	2 455E-04	4.191E-04	7. 76KF-0.3	45.15	4014-17-4	40-3647	
84	.727	10.	4.234E-04	2.854E-04	4.189E-04	X - 7615-03	3.3145-0.4	401400000	10.77.7.0	
o c	.731	10.	4. (30t-1)4	2.053E-04	4.1H7E-04	7641-04	45.37.45	4	74.16 - 04	
7.	.734	10.	4.22bt-114	2.452E-04	4 - 1 H > E - 04	7416-04	4.34.36 - 0.4	40-3067-7	24 1 F 10 4	
7.1	.749	70.	4.22ck-04	2. H5cE-04	4.183E-04	140F-U3	3.3.06-03	40146744	40 - 44 47 4	
72	. 744	.07	4. <1/1-14	2.H52E-04	4.181E-04	F. 744F-03	3.310E-6.4	40140774	40-404/-	
73	. 74%	.03	4. < 1 3E - 34	2.H51E-04	4.179E-04	H.737F-U3	3.5034-03	4.9.35E=04	F. C4 / F-04	
*	.75%	.07	4 360 - 4	2.651E-04	4.177E-04	N. 731F-03	3.308t -0.5	4-741E-04	5.45-64	
۲.	. 754	0.	4.2046-114	Z+852F-04	4.1756-04	4.730F-U3	3.308f-01	40-3446-4	P. 249F-04	
9;	. (4)	70.	, 100E	2.45ct-04	4.1735-04	r.72at-03	3.307E-0.1	4.74UE-04	5.c>uE-04	
- 1	ره).	0	4 - 1 90t - 114	2.852E-04	4.170t-04	R. 725F-03	3.307£-63	4.941E-04	0.25cE-04	
0 0	(9)	0.	9 K.F.	2.H5cF-04	4.1n8E-04	R. 724F-03	3.305t-03	4.9456-04	6.24/E-04	
2 6	677.	3	፣	Z.853t-04	4.145E-04	n. 736F-03	3.308F-03	4 • 956£ - 04	6-250t-04	
9 -		0 0	4.1845-04	4.453E-04	4.1535-04	r.706F-0.3	こうしょうかん・5	4.0401-04	c.22bt-04	
	7.85	2	1745-04	*0-35-6*2	# 100E	C. (101-03	3.3064-63	4 . 745E-04	6.231E-04	
4 m	101	à è	*() - 30/ Tot	40=35C957	40-1005-04	n. 1257 -03	3.3075-03	4014240.4	6.241F-04	
1 4	2		40147614	2 45 35 104	4.1556-04	6./IIF-03	3.747F	4 . 430F 164	6.2308-04	
5.6	4.7	0.	4.17ct-04	2. H5.3F=04	4 1 4 E - 0 4	4-7146-04		#01 UPP **	0.C.4t-04	
84	-,602	0.	4.170E-04	4-452E-04	4.1471-04	H - 714F-63	20 Jan 10 10 10 10 10 10 10 10 10 10 10 10 10	4014003.4	* 23.86 - 0.4	
87	.80¢	.07	4.169E-114	2.851F-04	4.144E-04	8.720F-03	3.790F-03	4014714	40 JOE 7 4	
88	.610	10.	4.169E-04	2.H50E-04	4.1416-04	A. 700E-U3	3.790E-01	40-96/404	6.220F-04	
→	٠٤٥.	.07	4.1696-114	2.849E-04	4.1386-04	0.706F-U3	3.295E-03	4 - 4 30E - 04	h. 225F = 04	
٠ د د	010	.07	4.1696-04	2.847E-04	4.135E-04	6.715F-03	3.798E-03	4.436E-04	6.230E-04	
- C	.823	.0.	4 - 1 7 Ut - 04	2.845E-04	4.132E-04	H.6HHF-03	3.245F-0.3	4.3C0t-04	6.220F-04	
y :	927	0.	4.171E-04	2.843E-04	4.129E-04	4.697F-U3	3. CB7E-11.1	4 - 4 - UE - U.	0.222E-04	
7 6	169.	9 6	4.1735-04	Z.840E-04	4.126E-04	H-695F-03	3.7826-03	4.413E-04	6.2156-04	
	4835	70.	4.1/4E-04	2.837E-04	4.123E-04	8.685F-03	3.771F-03	4.9UDE-04	h.<116-04	
	0 + 0 -		4.1/0t-04	Z.833E-04	4.121£-04	н.68303	3.280E-03	4.400E-04	6.clbE-04	
6 6	4 0		4.179E-04	2.829E-04	4.118E-04	8.683F-U3	3.778E-03	4.593E-04	0.224E-04	
90	0 d	•	# 104E - 04	Z - 825E - 04	4.116E-04	N.699F-03	3.241E-0.5	4.301E-04	4.221E-04	
י ס	200.		#0-140T-#	Z.821E-04	#0-114E-04	H-6/4F-03	3. ChyE-03	4.887E-04	6.200E-04	
	0000		#()= 1001 · •	2 410E-04	4.113E-04	H.679F-03	3.<70E-03	4.885E-04	6.205E-04	
)	5	•	-11-3201.4	C.811E-04	4.11cE-04	8.6865-03	3.273E-03	4.888E-04	6.215E-04	

	*** NO3		WIR 1333	STANTON NUMBERS	Jh at :: 5	LO-2810L	CO-AKIAL INCEMUCCOFIC SHAFEDOK	Shartilliki (EST	12/10/19-12/12/79
	ŧI.	A CHA	15 19	15 29	18 84	11 51	12.51	18 41	15, ST
201	.864	10.	4.1901 -04	7.8ULL-04	4.111t-04	r.666F-U3	というなという	4.015E-U4	N.149E-04
202	342.	.07	4.140 04	2.001c-04	4.11ct-04	1.00041-03	3. r 60t - 11.	4.704E-04	0.1416-04
203	.674	.07	40-7661.4	2.74hf-04	4.113t-04	r.666F-U3	3.76.16.70.3	4.1746-114	
20¢	.677	10.	• r dut	2.7416-04	4.110E-04	n.669F-03	3-1-1-1-1	4 . H D D E - 0.4	
د 20	.641	20.	すいしなりのしゃ	2.787t-04	4.1198-04	7.67 UF - U.3	3.7505.6.	4.450F-04	1018-04
, 05	10.00	~0.	. /USE	6.74ct-04	4.1646-04	1.6541-03	3.7316-63	4 - 0 4 5 5 - 1 4	T. 1456 - 04
\ 0 \ ?	7 D	0.	100 C	2.77nt-04	4.1296-04	686. r U.3	3.755F-0.4	4.146t-04	n.144F-04
F02	750.	20.	40-3+D1-4	C. 7741-04	4 . 1 36c - 114	675F-U3	3.000-03	4.17/6-64	D.194E-04
700	7 :	0.	• 203€	2.7715-04	4.1436-194	1.6566-13	3.r51f-03	4.0476-04	7.143E-04
210	بر د د د د د د د د د د د د د د د د د د د	ę.	4.701E-04	2.76br-04	4.1.46-04	1.641F-63	3.1501.01	サニールキロー・ト	5 - K 1 4 E - 0 4
112	÷ :	6.	- 197E	40-1491-2	4-11-24-04	* • 656 - U.3	3.100.00	40110E104	
216	- -	0.	4.14CE	7635-04	4.1765-04	101/11-07	3・/>UE・ロイ	1. 100t - (:4	
513	4	ž.		7.76]F-04	4.1-1E-U4	1.0-10-0	30404	40-100-104	
* .	٠. د د د د د د د د د د د د د د د د د د د	-	4 - / 45	*0-144.	4.cubt-04	70 <f-03< td=""><td>A. () () () ()</td><td>40-164-16</td><td></td></f-03<>	A. () () () ()	40-164-16	
د اح		<u>.</u>	4	*0-1/4/-/	******	50-3607	70-10-1-0	4:17/4.1	0.671E-04
ر <u>د</u>	124.	0.7	4.145	/*/551-0*	4.7401-04	0.640FF-U3	3.c.3ct = 11.5	401 11 00 00	4.044104
	100	.	4 - 1 COE - 14	*0-1-1	40-36-04	5001/-2	3.7 505-014	101 111 12 1	
617		.36	40-1046-04	40-155/-2	******	7.0-1/4/5	3.7307-0.3	キニールでなる。	
7 7	707) T	4010010.4	#0-1410/-V	4.3916-04	50-47+1-4 10-47-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	# [] L L L L L L L L L L L L L L L L L L	7.3/3/104-04 1.4.3/14-04
	, a	ľ	101.4	40 - (4: 1 · 7	40170764	7014274	200000	# 45 JOSE # 4	# 41 LE - U +
222		9	74.7	7555104	401 J. C. 4	10-100/ EV	100 To 10	10 USBO 17	
1 2	4.5.	ž	4.4375	7.77.104	4014704	701.47(704	201201-0	4014/3000	
224	5	. 3	۳ (40-12-7	40-1/6444	7012432		10 117 10 17	
, , ,	4		40.4	41.47.7	10-11-11		1 1 1 4 1 ° °	10 Lus 7 X 10 X	
7 2 2	7	2 2	3. 78.78	401167	4011014	0 - 40 - 40 - 40 - 40 - 40 - 40 - 40 -	501147	4014678	
127	. 77.	7.3		<.76rF-0*	40-34-C-4	1000 T	166		
457	~ 25.	45.	3.00%	12734 - 04	4.001/E-U4	ED-1105.	3-1025-0.4	40-1400-2	
224	(£).	1.71	1	2.774E-04	4.0776-14	20-10/20-2	3.0704-01	オニージャケエ・オ	
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	66+ NOG	Z E	WTR 1333	STANTON NUMBERS	MBEHS	LO-AXIAL	I HEHMUCOUPLE	LO-AXIAL IMEMMUCQUPLE SMAKEDOWN TEST	12/10/79-12/12/79
	TIME	AL PHA	1/ 19	62 ST	1S E9	11 51	12 51	T4 ST	15.51
152			1.3136-04	3.048E-04	9.541E-04	1.022F-02		5.7056-04	1.3438-03
457	1.101		1.257t-04		9.715E-04	1.025F-02		5.142E-U4	1.40bt-03
524	1.100	10.00	1.206E-04		1.026E-03	1.02AF-UZ	1.965E-U3	5-187E-64	1.455E-0.3
760	_	10.32	1.1596-04	3.10af -04	1.001E-03	1.028F-UZ	1.9196-03	1666-04	1.499E-03
561	1.114		1.117E-04	3.1134-04	1.0976-03	1.033+-02	1.846-03	5-176F-04	1.540E-03
797	_	10.97	1.0796-04	3.117F-04	1.1346-03	1.033F-62	1.83/E-0.3	7.166E-U4	1.5846-03
563	1.122	11.29	1.046E-04	3.120E-04	1.171t-03	1.03aF-U2	1.402E-03	5-174t-(14	1.630E-03
564	1.126	11.61	1.018E-04	3.122t-04	1.209E-03	1.0446-02	1.7726-03	5-195t-114	1.084E-03
597	_		9.542E-05	3.123t-04	1.247t-03	1.0465-02	1.720E-03	4.196E-04	1.7286-03
56h	_		9.750k-115	3.123E-04	1.246t-03	1.0496-02	1.tndf-03	5.201E-04	1.774E-03
797	_		9.00cf-05	3.122f04	1.3256-03	1.0525-02	1.6556-03	5.220E-04	1.622E-03
568	1.141	12.86 9	9.43AF-05	3.120F-04	1.3n4E-03	1.0555-02	1.6235-03	5.243t-04	1.848E-03
564	1.147		9.43BE-05	3.117t-04	1.4036-03	1.0545-02	1.536E-03	F. 263E-04	1.9185-03
270		13.46 9	9.41at-05	3.114E-04	1.446t-U3	1.0505-02	1.5506-0.3	5.240E-1)4	1.9638-03
27.1	1.154		9.437£-(15	3.1106-04	1.480E-03	1.0615-02	1.5206-03	4.457t-04	>.015F-03
272	1.160 1		5.404E-115	3.105t-04	1.5196-0.3	1.003F-02	1.448E-04	5.261E-04	2.045E-03
273	1.164 1	14,33 5	9.580L-05	3.099E-04	1.5572-03	1.005F-02	1.450£-03	7.425E=04	
274	_		9.711E-05	3.093E-04	1.595E-03	1.0665-02	1.4<36-03	5.241E-04	
215	1.172 1	14.8H S	4.467t-05	3.0H6E-04	1.6x2t-03	1.058F-02	1.341E-03	230E-114	<.2186-03
276	1.176 1	15.14	1.0055-04	3.0755-04	1.0696-03	1.0646-62	1.3hcf-03	5.230E-04	2.271E-03
277	1.180		1.020t-n4	3.071t-04	1.7056-03	1.070F-02	1.3316-03	5.217E-04	
278	1.184		1.049E-04	3.0635-04	1.7396-03	1.0715-02	1.3011-03	. ~ 00t-04	<.37/t-03
4.∠?	1 447.1	15.83	1-07-1-04	3.05.38-04	1.1736-03	1.0745-02	1.5748-03	5.18rE-04	2.4335-03
240	1.143		1.101t-04	3.043E-04	1.0051-03	1.0785-02	1.5471-01	1.173£-04	
2H1	_		1.1245-04	3.0336-04	1.6365-03	1.0801-02	1.22ct-04	1.159t-04	
285	1.201	16.57	1.1588-114	3.0212-04	1.bnof-03	1.0621-02	1.cupf-03	7.156t-04	2.59ct -03
243	1 403.1	14.78	1.188t-n4	3.0095-04	1.693£-03	1.0801-02	1.17cF-0.4	5.171t-04	2.630f-03
* H Z	_		1.21at-n4	2.996F-04	1.919t-03	1.0821-02	1.1>0t-03	7-1041-04	c.6A5E-U3
Ç#2	_		1.240t-114	2.982t-04	1.54.36-03	1.0846-02	1.127E-03	5.0M5E-04	7.730E-03
ζ¥¢			1.6776-04	2.967E-04	1.755-03	1.0855-02	1.1124-03	4.011E-04	7.773t-113
787	_		1.3076-04	4.95ef-04	1.7H5E-03	1.0866-07	1.095E-03	1.003t-114	7.813E-03
ž€~			1.3456-04	C. 4361-04	7.003E-03	1.0414-02	1.06/E-U1	h.025-04	2.845E-n3
₩.\	_		1 . 3h 3t - 14	2.514r-04	2.019E-U3	1.0015-07	1.055-03	010E-14	7.0HIE-03
0 Y C	_		1.3476-114	2.40cr-04	2.032E-03	1.0831-02	1.0456-03	5.01*E-04	C.914F-03
- - - -	_		1.4136-04	2.884E-04	Z.044E-03	1.0/96-02	1.025E-01	4. YBUE-114	1.431E-03
262	1.243		1.437E-04	2.466t-04		1.0751-02	1.014t-03	40-4036-04	
250	1.647		1.458t-04	2.H48E-04	<- 0.40 F-03	1.076+-02		4.430E-04	1.474F-03
*	_		1.4766-114	2.830E-04	<.0+6€-03	1.0781-02		オコールモング・コ	
₹6.	_		1.445E-04	4.811t-04	< 644E-03	1.0705-02		4.717E-04	3.0081-03
961	1.254	_ 20. H	. > 1 1k-n4	2.193f -04	C.U71t-03	1.0761-02	7.r.81F-0*	4.3416 =04	1.00 VF = 0.3

TABLE 5 ACCURACIES FOR REPEATABILITY OF RUN 496 VS. RUN 498 (UPSWEEP VS. DOWNSWEEP)

ALPHA	Tl	Т2	Т3	T4	T 5	Gl	G2	G3
0°	2.3%	7.7%	6.9%	9.8%	20.1%	7.6%	12.7%	_
3 ⁰	.3%	2.1%	2.9%	9.1%	17.8%	4.9%	13.1%	-
5 ⁰	. 3%	4.6%	5.6%	6.2%	18.3%	8.7%	9.5%	-
10 ⁰	.6%	11.6%	1.2%	8.6%	14.9%	21.8%	8.8%	-
16 ⁰	1.0%	17.4%	7.7%	5.2%	12.2%	4.9%	4.5%	-

(Note: Values in % difference in agreement)

TABLE 6 ACCURACIES FOR REPEATABILITY OF RUN 496 AND RUN 498 VS. RUN 497 (DYNAMIC SWEEP VS. STATIC)

RUN	ALPHA	Tl	Т2	т3	Т4	Т5	G1	G2	G3
496 vs . 497	10°	0%	6.9%	2.7%	7.4%	3.8%	19.3%	5.5%	15.1%
498 vs. 497	10°	. 7%	5.1%	1.5%	1.3%	11.5%	3.0%	3.5%	-

(Note: Values in % difference in agreement)

TABLE 7 ACCURACIES FOR REPEATABILITY OF RUN 496 AND RUN 499 ("THICK WALL" VS. "THIN WALL")

ALPHA	Tl	Т2	т3	T4	Т5	G1_	G2*	G3
0°	1.4%	6.6%	-	16.1%	10.2%	17.0%	-	8.0%
3 ⁰	. 4%	2.6%	_	16.1%	9.0%	14.0%	-	13.6%
5 ⁰	1.2%	2.6%	-	13.8%	3.1%	13.6%	-	14.8%
10°	. 7%	2.3%	-	16.7%	12.1%	16.5%	_	17.8%
16 ⁰	2.7%	5.9%	-	16.4%	11.4%	26.2%	-	17.7%

^{*}G2 was recessed in model wall on Run 499. No comparison of this gage was made.

(Note: Values in % difference in agreement)

TABLE 8 ACCURACIES FOR AGREEMENT OF RUNS 496, 497, AND 499 vs.
THE G.E. 3-D VISCOUS CODE

RUN	ALPHA	т1	T2	т3	Т4	Т5	G1	G2	G3
Run 496	0°	10.0%	0.0%	. 5%	5.9%	1.2%	. 6%	4.6%	10.7%
vs. Code	5°	2.8%	25.1%	12.6%	6.0%	.1%	5.8%	3.5%	6.6%
Run 498	0°	5.4%	3.5%	1.9%	.4%	15.4%	2.7%	12.9%	•
vs. Code	5°	8.0%	31.7%	17.4%	5.4%	13.1%	8.2%	7.3%	-
Run 499	0°	6.2%	2.3%	-	6.6%	15.3%	13.0%	-	13.0%
vs. Code	5 ⁰	7.1%	25.7%	-	3.0%	13.2%	14.9%	-	14.9%

(Note: Values in % difference in agreement)

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TERMS

ALPHA	angle of attack (°) .
С	calibrated Gardon gage sensitivity $(rac{\dot{ extbf{q}}}{ extbf{E}})$
C _p	specific heat
E	output voltage
k	thermal diffusivity
К	thermal conductivity
L .	minimum effective sensing probe length
M _∞	free stream Mach number
масн	free stream Mach number
Po	supply pressure (psia)
PINF	free stream pressure (psia)
РО	supply pressure (psia)
ġ	heat transfer rate (BTU/ft ² -sec)
Q	cumulative heat transfer to a surface (BTU/ft ²)
QDOT	heat transfer rate (BTU/ft ² -sec)
^{RE} ∞/ft	free stream Reynolds number
REINF	free stream Reynolds number
RHO1NF	free stream density (lbm/ft ³)
ST	Stanton number
t	time

TERMS (Cont.)

т	temperature
T _o	supply temperature (°F)
^T 01	equivalent ideal gas supply temperature (${}^{\mathrm{O}}F$)
T _w	measured wall temperature (°F)
TINF	free stream temperature (°F)
то	supply temperature (°F)
т01	equivalent ideal gas supply temperature (${}^{\rm O}F$)
TW	measured wall temperature (°F)
U_{∞}	free stream velocity (ft/sec)
UINF	free stream velocity (ft/sec)
α	angle of attack
δ	thermoelectric sensitivity $(^{\mu \nu}/o_{_{{\small F}}})$
ρ	density
$ ho_{\infty}$	free stream density $(^{1bm}/ft^3)$
τ	dummy variable of integration
$^{ au}_{ ext{G}}$	calibrated Gardon gage time delay constant